MHM®

PERFECTION IN SCREENPRINTING

INNOVATION.QUALITY.RELIABILITY.

SP5000

MACHINES,
ACCESSORIES & MORE

TABLE
OF CONTENT

WELCOME
TO MHM

We're thrilled to introduce MHM, the top global manufacturer of innovative textile printing solutions. Our screen printing machines are passionately developed and produced in Austria, representing the cutting-edge of technology. We're really proud to empower businesses with our state-of-the-art solutions!

We are delighted to have earned the unwavering trust of over 15,000 professional textile printers who have chosen MHM as their preferred brand. This trust is a testament to the exceptional reliability and unmatched quality of our machines. We consider it a great honor to be a part of your success story. At MHM, we are fully dedicated to revolutionizing the textile industry and contributing to its growth and development. As your valued partner, we are committed to maintaining a long-lasting and fruitful relationship, both now and in the future.

01

MACHINES HIGHEST MECHATRONIC

The world of MHM, from the past to the future, is built upon three fundamental pillars and principles that have been instrumental in our history of success. These principles not only define who we are as a company but also serve as a testament to the values we have upheld in the market for over 40 years. With a strong foundation rooted in these principles, we are poised to continue our journey towards a brighter future.

With the foundation of our company in the year 1980, our highest goal was to become one of the leading global companies in the screen printing sector for textile by taking the way of innovation. And we are taking this way now as ever. A solid company strategy is needed to fulfill and exceed the requirements of the international market as well as the respective national markets. This basis is the cornerstone of our reputation as one of the most innovative manufacturers of screen printing machines.

Today, this strategy is carried on by the management under Ulrich Loser - CEO L'fficiency Holding and owner of Machines Highest Mechatronic GmbH. Our management team is strengthened by our professional employees, who are dedicated to upholding our mission statement. This mission statement, which follows our core values of Innovation, Quality, and Reliability, creates an unwavering base for the future growth and success of MHM on the textile printing market.

We believe that innovation is the key to staying ahead in the ever-evolving textile printing industry. By constantly pushing the boundaries of technology and exploring new possibilities, we strive to provide our customers with cutting-edge solutions that meet their needs and exceed their expectations. Our commitment to quality ensures that every machine we produce is built to the highest standards

INNOVATION

We take great pride in our position as leaders in the textile printing industry. Over the years, we have fostered strong and enduring partnerships with global counterparts, which have been instrumental in our continued success.

Our unwavering commitment to understanding and meeting the unique preferences and needs of our clients has enabled us to consistently push the boundaries and set new industry standards. With our relentless dedication and passion for innovation, we are poised to maintain our position as frontrunners in the textile printing industry for years to come.

QUALITY

Our company is fully committed to upholding the utmost level of quality in all aspects of our operations. This dedication is evident in our meticulous selection of top-notch raw materials and our continuous efforts to enhance our internal processes. We consistently strive to deliver unparalleled products and services to our esteemed customers.

Our primary objective is to provide a seamless and dependable experience, ensuring that our machines are not only highly efficient but also highly dependable. By adhering to these rigorous quality standards, we aim to surpass the expectations of our valued customers.

RELIABILITY

Over 15,000 professional textile printers have confidently chosen MHM as their trusted brand. This unwavering trust is based on the exceptional reliability and unmatched quality of our state-of-the-art machines. With this solid foundation, we are determined to continuously revolutionize the textile industry and play a crucial role in its growth and development.

Our commitment to you, our valued partner, is to maintain a long-lasting and fruitful relationship, both now and in the future. As we progress, we are thrilled to embark on this journey together, shaping the future of the textile industry and setting new benchmarks of excellence.

PERFECTION DEVELOPED & PRODUCED WITH PASSION IN AUSTRIA

MHM ESSENTIALS

OUR SCREEN PRINTING MACHINES ARE EQUIPPED WITH A WIDE RANGE OF EXCEPTIONAL FEATURES THAT SET THEM APART FROM THE COMPETITION.

SQUEEGEE ARM LIFT
Easy access for set-up, cleaning, and ink-refill is a key feature that ensures convenience and efficiency. Our user-friendly design allows effortless navigation through the necessary steps. Whether you're tech-savvy or a beginner, our accessible set-up process quickly gets your device up and running. Additionally, our easy cleaning feature ensures optimal performance without complications. When it comes to ink-refill, our product eliminates the need for complex procedures or messy spills.

SQUEEGEE & FLOOD BAR
Stroke length adjustment can be easily done without the requirement of any additional tools or equipment. This makes it a convenient and hassle-free process that anyone can carry out. Whether you are a professional or a novice, you can confidently make the necessary adjustments without the need for specialized tools or equipment.

INDIVIDUAL ADJUSTMENT-POSSIBILITIES
Pressure controller on all stations and complete X-Y micro registration

SQUEEGEE- & FLOOD BAR ADJUSTMENT & RELEASE
Tool-free adjustment and quick release squeegees are essential for achieving clean and streak-free surfaces. These innovative squeegees allow for easy blade changes, saving time and effort. Traditional squeegees require manual detachment and reattachment of the blade, which is time-consuming. With quick release squeegees, the blade can be easily replaced with a simple push of a button or lever, enabling seamless blade changes for different cleaning tasks.

EASY HANDLING
The printing stations are designed to be easily manageable and user-friendly. With their intuitive interface and streamlined operations, these stations provide a seamless printing experience. Whether you need to print large volumes of documents or create high-quality prints, these stations are equipped to handle your printing needs efficiently. Trust the individual printing stations to meet your expectations and deliver exceptional results.

RESILIENT TABLES
Resilient tables are produced from a stable, one-piece aluminium profile. This unique manufacturing process ensures the durability and strength of the tables and making them highly resistant to wear and tear. The one-piece aluminium profile provides a solid foundation for the tables, allowing them to withstand heavy use and maintain their stability over time.

TOUCHSCREEN-CONTROL
Our platform is designed for a seamless user experience. With user-friendly features, it's easy to navigate and explore.

AC-SERVO INDEX
AC-Servo index for maximum production speed is a crucial factor to consider when aiming to optimize productivity. The AC-Servo index refers to the capability of the AC-Servo system to accurately control and position the servo motor, ensuring smooth and efficient operation.
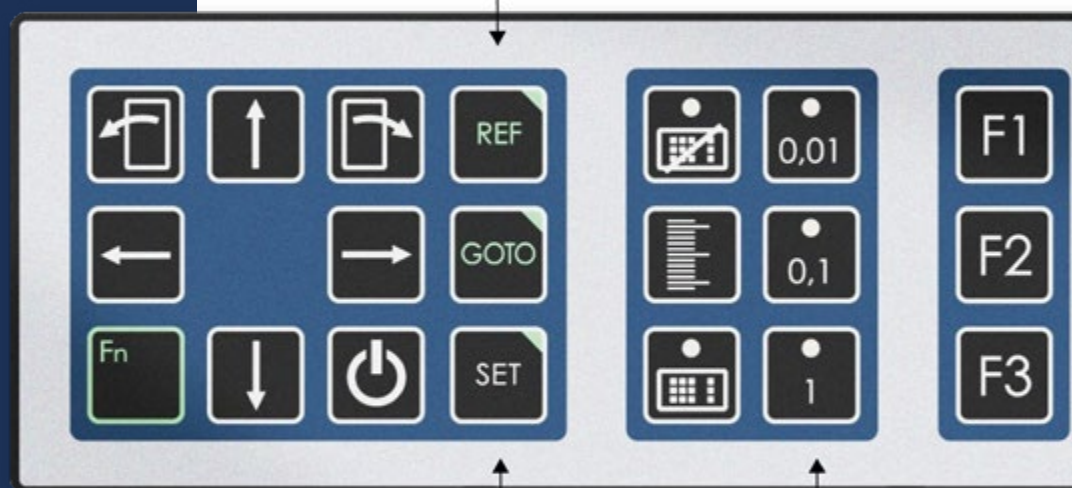
01

The smartest & most precise screen printing machine worldwide with the unique automatic 'GoTo' screen Registration and MHM-Pin Lock System.

SET-UP OR CHANGE MULTI-COLOUR JOBS IN 5 MINUTES OR LESS.

All main controls including GOTO commands

Colour coded buttons

Screen adjustments ranging from 1mm down to 0.01mm

You can easily set up multi-colour jobs with speed and precision by following these steps. Start by loading the initial screen onto the press and adjusting its position using the motorized micro-registration. Once you're satisfied with the alignment, simply press 'GOTO' and watch as the rest of the screens automatically align to the same position with an impressive accuracy of up to 0.01mm. To make things even more convenient, the job re-call system saves setup data for an unlimited number of jobs. This includes screen positions, squeegee/flood speeds, and flash cure data, allowing you to effortlessly reproduce previous productions.

WANT THE FASTEST SET-UP SYSTEM IN THE INDUSTRY?

MULTI-POINT REGISTRATION BLOCKS

Flawless registration accuracy, precise repeatability and superb long term reliability. Most round presses have either a single or three point registration locking system, the Synchroprint 5000 has four, a marvel of precision engineering at its best.

USER FRIENDLY CONTROLS

All print stations have an intuitive digital keypad with all main operator functions along with precise screen coordinates for faster set-up and greater operator convenience. Flood/Print speeds are also controlled and displayed digitally at every station.

SUPER-RIGID PALLET SUPPORT ARMS

Provide zero deflection and even print coverage over the entire image area. Powerful, precise and smooth AC-Servo indexer with bi-directional movement and single, double and half index modes.

PUSH BUTTON PALLET RELEASE

A single button press on the M-Touch Pro is all that is required for the operator to unlock and change the pallets in a matter of seconds. (Pallets are available with or without rubber coating).

01

TOOL-FREE
ANGLE ADJUSTMENT

Calibrated in 5° increments with a 0-30° range, separate levers adjust the squeegee/flood bar angles. Individual squeegee/flood bar height adjustment with self-levelling mechanism also provides even pressure across the mesh.
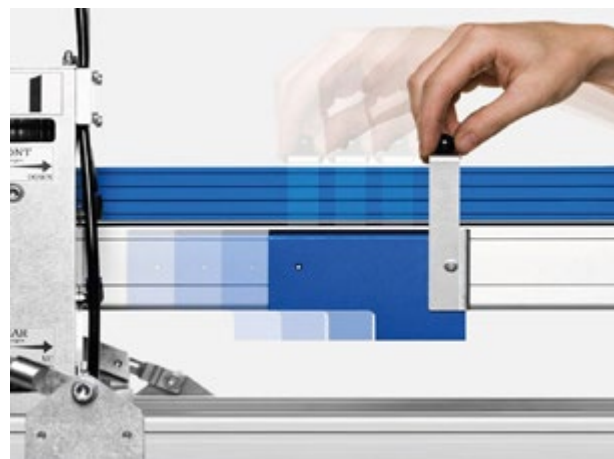
TOOL-FREE
STROKE LENGTH ADJUSTMENT

No wires and no tools, just slide the front and rear stoppers to the desired position and you are good to go. No need to lock the stoppers so adjustments can be made without stopping the press.

AC-DRIVE
PRINT HEADS

Provide smooth, reliable and consistent print strokes at all speeds and pressures with zero maintenance. Drive belts are fully shielded from spray adhesives, inks and solvents.

PRINT ARM
HIGH LIFT

For an unobstructed view of the image during set-up and ink refill. Makes changing the squeegees and ink clean-up during tear down really easy and less messy. Quick release squeegees/flood bars make for instant loading and changeover.

DESIGNED TO BE SIMPLE TO USE. BUILT TO LAST A LIFETIME.

LEGENDARY BUILD QUALITY

Solid cast aluminium turntables which are guaranteed never to warp or twist give for example the Synchroprint 5000 its title as the heavyweight champion of the world. Every Screen Printing machine is hand-built in our modern state-of-the-art manufacturing facility in Austria and released only after extensive testing by our engineers to ensure the highest possible quality standards and many years of trouble-free production.

M-TOUCH PRO

Tablet style main command unit with finger-tip controls for all main operator functions. No special hardware required making expensive and hard to replace touch screens a thing of the past. Full WiFi capability allows email, video calls, diagnostics and remote support directly on the press no matter where you are located in the world.

- **UP TO 1,400 INDEXES PER HOUR**
- **UP TO 18 PALLETS**
- **UP TO 16 COLOURS**

DESCRIPTION

The S-Type Xtreme SERVO press stands out among other presses in its class with its exceptional features. It is equipped with a variety of standard features that have been thoughtfully designed to minimize setup time and enhance productivity. If you require more flexibility, our optional long stroke (LS) models can be tailored to meet your specific business needs and budget. Our M-Touch Pro tablet/pad style main command unit is not only innovative but also user-friendly, providing operators with effortless control. Moreover, its full WIFI capability enables instant and real-time technical support from anywhere in the world, ensuring seamless operations.

MAX. PRINT SIZE 50 X 70CM

S-TYPE XTREME

ELEVATE YOUR PRODUCTIVITY TO NEW HEIGHTS!

ADJUSTABLE SCREEN HOLDERS FOR VARIOUS FRAME SIZES

Screen lock systems can be easily utilized in various ways.

INDEPENDENT FLOOD / PRINT SPEED CONTROLS

Ensuring a precise and succinct configuration for each printing job.

TOOL-FREE FRONT / REAR STROKE LENGTH ADJUSTMENT

Fast and efficient modifications are guaranteed.

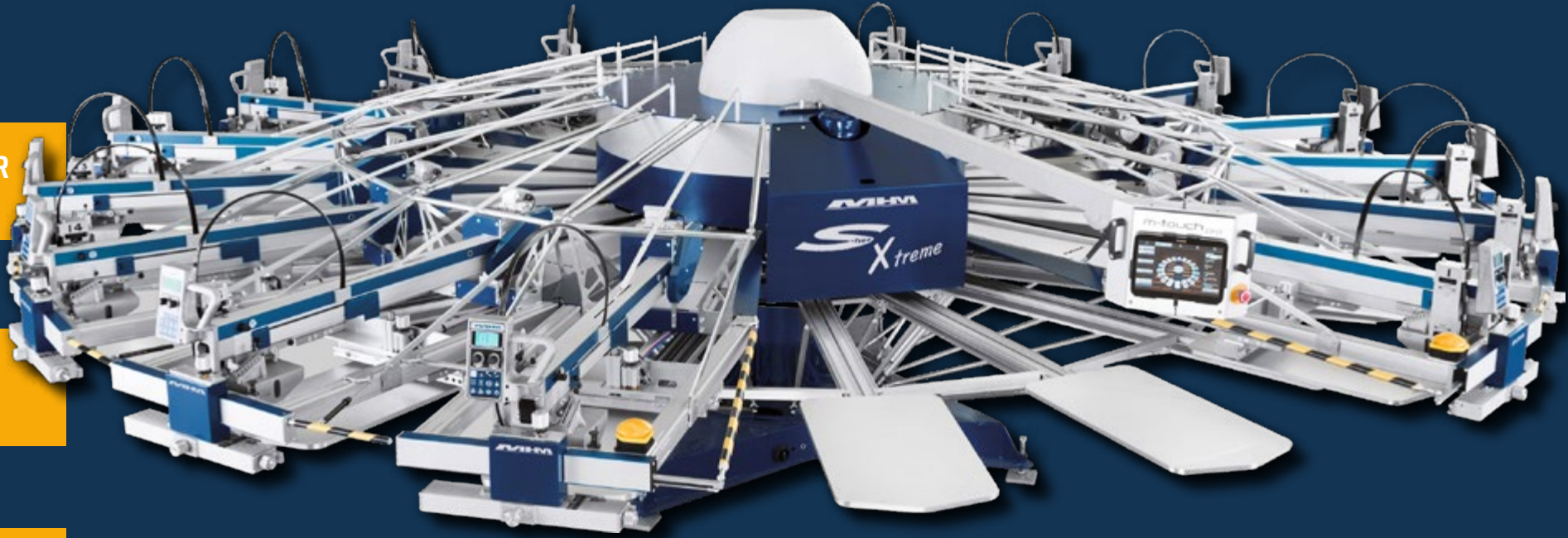### SQUEEGEE PRESSURE REGULATOR ON EVERY STATION

We ensure precise adjustments for all print jobs.

FLASH CURE ADJUSTMENTS FROM MAIN CONTROL UNIT

Control can be efficiently managed through a centralized control point.

FULL MICRO-REGISTRATION WITH ZERO STARTING POSITION

Print preparation efficiency is crucial for saving time.

The S-Type Xtreme combines extraordinary performance with unparalleled precision. This state-of-the-art machine is renowned for its remarkable productivity, unwavering reliability, and exceptional efficiency. It outshines all other models in its category and incorporates a variety of time-saving features that significantly enhance its productivity to unprecedented levels.

SPECIFICATIONS (PER MODEL)

|	SPSX-08	SPSX-10	SPSX-12	SPSX-14	SPSX-16	SPSX-18
Number of pallets	8	10	12	14	16	18
Max. number of print stations	6	8	10	12	14	16
Max. diameter 43 x 50 cm / 16.9 x 19.7 "	385 cm / 152 "	420 cm / 165 "	450 cm / 177 "	490 cm / 193 "	528 cm / 208 "	570 cm / 224 "
Max. diameter 45 x 55 cm / 17.7 x 25.6 "	415 cm / 163 "	455 cm / 179 "	500 cm / 197 "	542 cm / 213 "	584 cm / 230 "	625 cm / 246 "
Max. diameter 45 x 70 cm / 17.7 x 27.6 "	n/A	n/A	n/A	n/A	614 cm / 241 "	n/A
Max. diameter 50 x 70 cm / 19.7 x 31.5 "	460 cm / 181 "	505 cm / 199 "	550 cm / 217 "	595 cm / 234 "	n/A	n/A
Machine weight (kg / lbs)	1,450 / 3,200	1,680 / 3,700	1,900 / 4,190	2,100 / 4,630	2,650 / 5,840	2,870 / 6,330
Average air consumption (l/min)	220 (7.8 cfm)	280 (9.9 cfm)	340 (12.0 cfm)	400 (14.1 cfm)	460 (16.2 cfm)	520 (18.4 cfm)
Rec. air supply (l/min)	350 (12.4 cfm)	400 (14.1 cfm)	450 (15.9 cfm)	500 (17.7 cfm)	600 (21.2 cfm)	650 (23 cfm)

Power Supply: 3 ph~ 210/400V, 50/60Hz (+/-5%)

- UP TO 1,400 INDEXES PER HOUR
- UP TO 20 PALLETS
- UP TO 18 COLOURS

DESCRIPTION

MHM has successfully risen to the challenge of finding a replacement for their world-renowned, ultra-high performance press. Introducing the Synchroprint 5000, MHM has taken sophistication to new heights by combining innovative design, advanced technology, and user-friendly features. This press is set to revolutionize the way you perceive carousel screen printing presses. Building upon the success of the SP3000 and SP4000, the Synchroprint 5000 showcases MHM's commitment to continuous improvement. With upgraded technology such as tablet control, WIFI integration, and online support, along with industrial standard PCB and state-of-the-art servo technology, the SP5000 completes MHM's new and modern product lineup. Get ready to experience the future of screen printing with the Synchroprint 5000.

MAX. PRINT SIZE
80 X 110CM
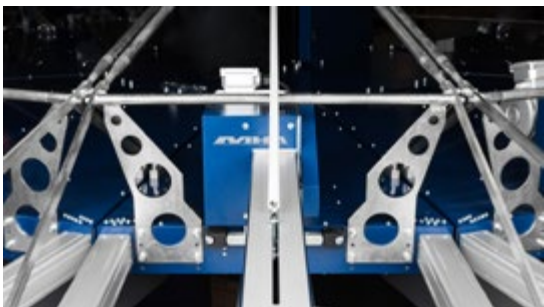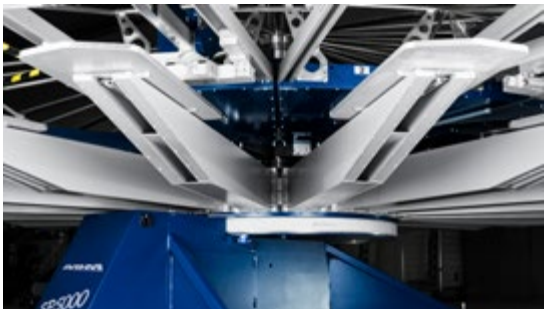
SQUEEGEE ARM LIFT FOR INCREASED VISIBILITY

Making simple adjustments and regular cleaning can greatly increase productivity.

CENTRALISED OFF-CONTACT ADJUSTMENT

Control made easy using a tablet.

SUPER-RIGID PALLET SUPPORT ARMS

Zero deflection leads to excellent printing results.

INDIVIDUAL OFF-CONTACT ADJUSTMENT ON ALL STATIONS

Each station has the ability to individually adjust the off-contact, providing maximum flexibility.
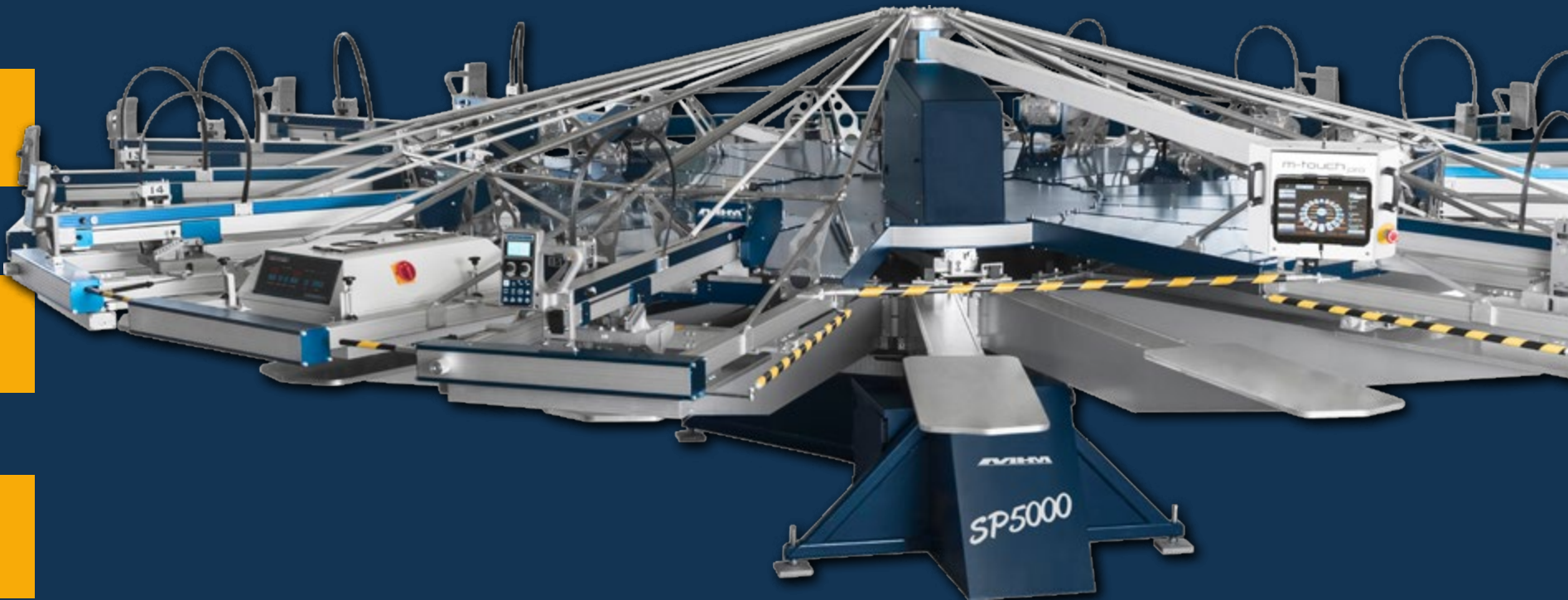
VACUUM-PALLET-SYSTEM (OPTIONAL)

Perfect for printing high-quality graphics, foils, and papers.

AUTOMATIC 'GOTO' REGISTRATION SYSTEM WITH JOB MEMORY (OPTIONAL)

Reduced setup times can greatly improve efficiency and productivity.

CAROUSEL SCREEN PRINTING MACHINE
SYNCHROPRINT 5000

THE PERFECT OPTION FOR PROFESSIONAL SCREEN PRINTERS LIKE YOURSELF!

The Synchroprint 5000, renowned for its advanced technology, efficiency, and sophistication, is the ultimate selection for professionals in the field of screenprinting.

SPECIFICATIONS (PER MODEL)

|	SP5000-08	SP5000-10	SP5000-12	SP5000-14	SP5000-16	SP5000-18	SP5000-20
Number of pallets	8	10	12	14	16	18	20
Max. number of print stations	6	8	10	12	14	16	18
Max. diameter 50 x 70 cm / 19.7 x 27.6"	505 cm / 199"	505 cm / 199"	555 cm / 219"	600 cm / 236"	640 cm / 252"	690 cm / 272"	735 cm / 289"
Max. diameter 70 x 100 cm / 27.6 x 39.4"	575 cm / 226"	625 cm / 246"	685 cm / 270"	735 cm / 289"	n/A	n/A	n/A
Max. diameter 80 x 110 cm / 31.5 x 43.3"	635 cm / 250"	675 cm / 266"	740 cm / 291"	n/A	n/A	n/A	n/A
Machine height	187 cm / 73.5 "						205 cm / 80.7 "
Machine weight (kg / lbs)	2.100 / 4,630	2.300 / 5,070	2.550 / 5,620	2.740 / 6,040	3.150 / 6,950	3.640 / 8,030	3.890 / 8,580
Average air consumption (l/min)	190 (6.7 cfm)	220 (7.7 cfm)	250 (8.8 cfm)	280 (9.9 cfm)	310 (10.9 cfm)	340 (12.0 cfm)	370 (13.1 cfm)
Rec. capacity of air supply (l/min)	500 (17.7 cfm)	550 (19.4 cfm)		600 (21.2 cfm)	650 (23 cfm)		700 (24.7 cfm)

Power Supply: 3 ph~ 210/400V, 50/60Hz (+/-5%)

THE BLUE WAVE EFFECT

DIRECT TO SCREEN INCLUDING MHM PIN SYSTEM

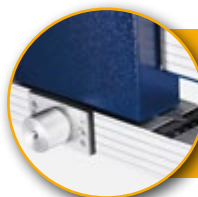## MHM PIN HOLDING SYSTEM
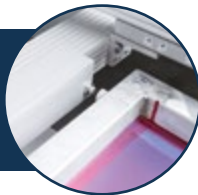
PALLET CHANGE

MHM SQUEEGEE CARRIAGE WITH SIMPLE SETTING

REDUCE YOUR SET-UP TIME BY AS MUCH AS 25%

SUPER PRECISE ZERO POSITIONING

AUTO SCREEN OPTION

MHM CARBON LAMPS FLASH CURE

MHM PRO IRON FOR BETTER SURFACE

SP5000

REDUCTION OF SET-UP TIME
We have managed to reduce the total time required from 300 hours down to just 25 hours per year.

ADDITIONAL PRINTING CAPACITY
600 pieces per hour or 160,000 pieces per year

MAXIMUM EFFICIENCY
Our set-up process is the quickest in the entire industry.

MAXIMUM FLEXIBILITY
Fulfilling various customer requirements with ease

Our innovations offer you a multitude of extra benefits that can greatly enhance your experience. One such example is the revolutionary automatic GOTO registration system equipped with job memory on our state-of-the-art Synchroprint 5000. With this cutting-edge technology at your disposal, you can effortlessly make design changes as frequently as three times a day, all while significantly reducing the time it takes to complete the process.

Traditionally, design changes on conventional machines can consume an average of 75 minutes each time. This means that over the course of a year, you would spend a staggering 300 hours solely on design alterations. However, with the advanced features of our Synchroprint 5000, you can drastically minimize this time investment, allowing you to allocate your valuable resources more efficiently.

By leveraging our innovative system, you can streamline your work flow, boost productivity, and ultimately maximize your output. With the automatic GOTO registration system and job memory on the Synchroprint 5000, you can experience a seamless and hassle-free design change

MHM
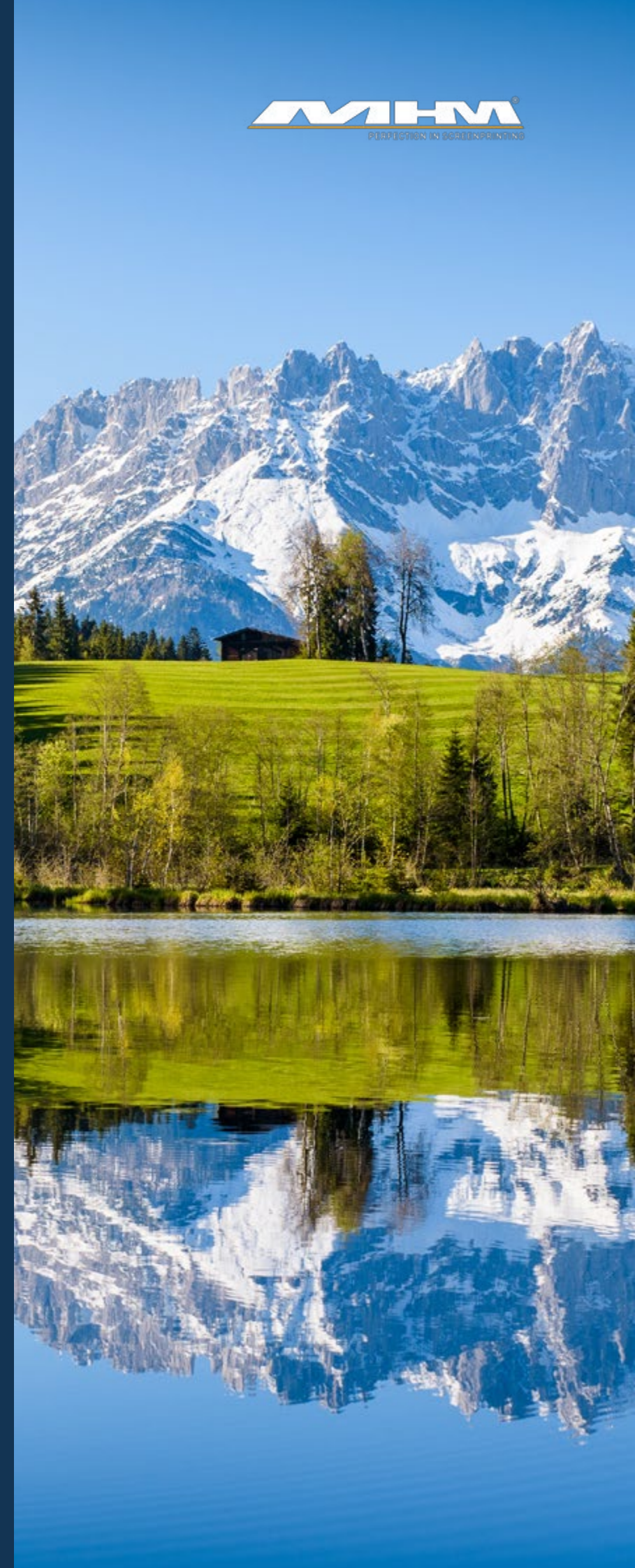
- UP TO 1,100 INDEXES PER HOUR
- UP TO 60 PALLETS
- UP TO 29 COLOURS

## THE WORLD'S SAFEST SCREEN PRINTNG MACHINE!

DESCRIPTION

The iDS intelligent drive system revolutionizes the way high-speed movement is achieved. Unlike traditional methods that rely on chains, belts, or large drive motors, the iDS offers a seamless and accurate experience without the need for cumbersome components. Its single and double index capability sets it apart, providing not only exceptional performance but also an added level of operator safety.

One of the key safety features of the iQ-Ovals iDS drive motors is their ability to promptly detect and respond to any obstructions. This means that the motors will stop immediately upon detecting an obstruction, ensuring the safety of both the operator and the machine. With this advanced feature, the need for security barriers is eliminated, making the machine exceptionally safe and user-friendly.

In addition to its safety features, the iDS drive system also offers unparalleled convenience. Its seamless and accurate movement in both directions allows for efficient and precise operations. Whether it's for industrial applications or other high-speed movements, the iDS drive system delivers reliable performance every time.

With the iDS intelligent drive system, operators can enjoy a new level of safety, convenience, and efficiency. Say goodbye to cumbersome chains, belts, and large drive motors, and say hello to a smarter and more user-friendly solution.

MAX. PRINT SIZE
80 X 110CM
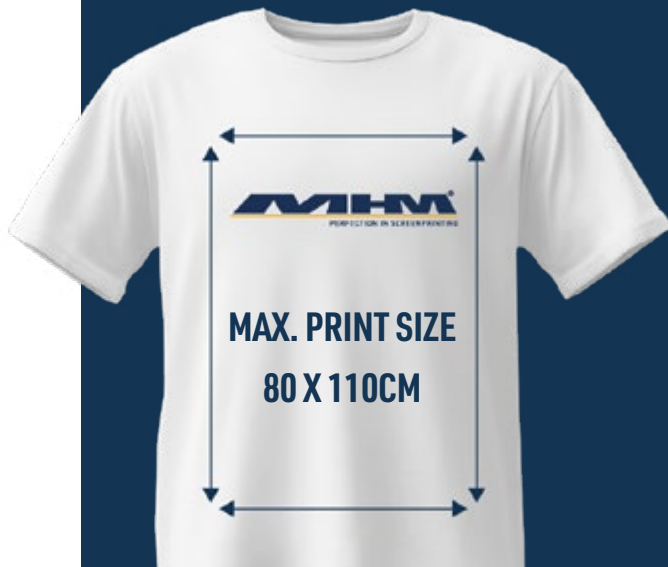
TABLET MAIN CONTROL UNIT WITH WIFI CONNECTIVITY

Android tablets are easily replaceable if they get damaged.

CONTROL KEYBOARD ON EVERY PRINT STATION

The station's various functions can be easily customized without any difficulty.

ADJUSTABLE INDEX SPEED CONTROL (OPTIONAL)

Adjusting the speed becomes effortless by taking into consideration the size of the pallet and the items being printed.

REVOLUTIONARY INTELLIGENT INDEX DRIVE SYSTEM

Unrestricted access to the machine is allowed, eliminating the need for safety barriers.

2-JOB-MODE (OPTIONAL)

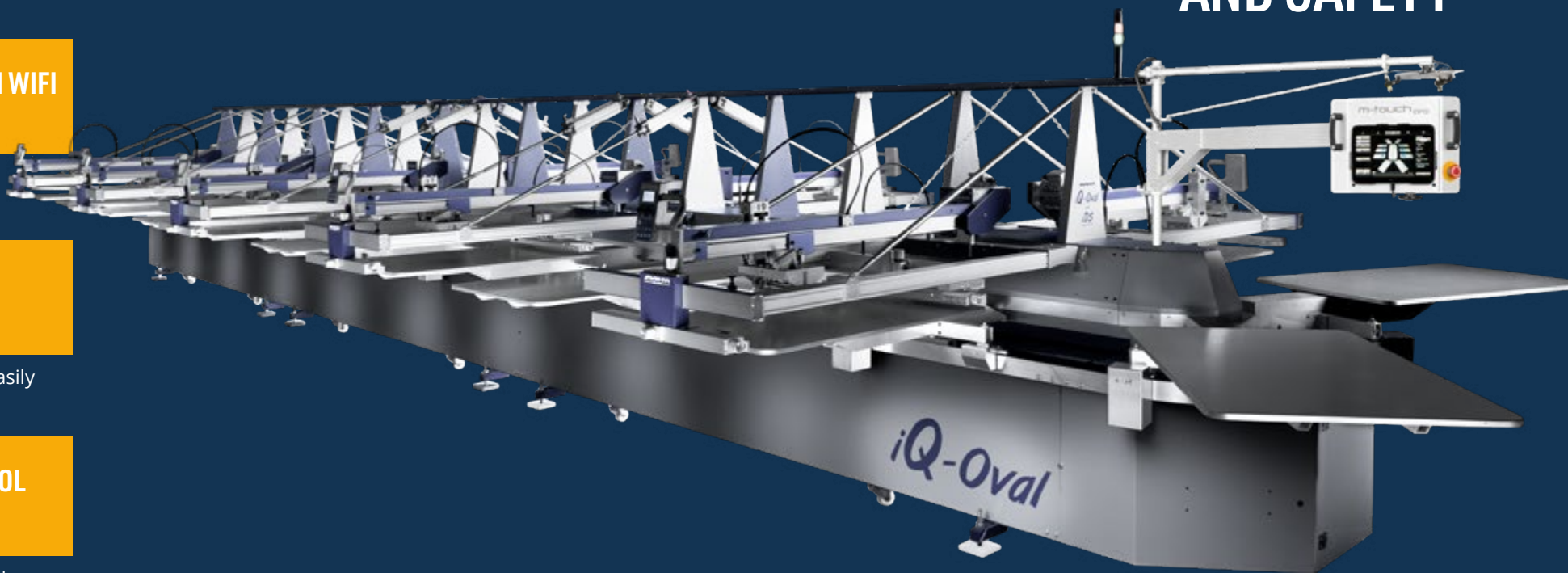Two job roles on a single machine have significantly enhanced efficiency.

HIGH-LIFT STATIONS (OPTIONAL)

The entire station has the capability to be lifted, enabling the convenient placement of individual accessories.

OVAL SCREEN PRINTING MACHINE
IQ-OVAL IDS

THE INDUSTRY HAS BEEN REVOLUTIONIZED BY A MACHINE THAT COMBINES EFFICIENCY AND SAFETY

The iQ-Oval machines are designed to be modular, making it easy to customize them according to your specific production needs. One great advantage is their expandability, which means you don't have to replace your current press when your business grows.

SPECIFICATIONS (PER MODEL)

	45 x 55 cm	50 x 70 cm	70 x 100 cm	80 x 110 cm
Max. print area	45 x 55 cm / 17 x 21 "	50 x 70 cm / 19 x 27 "	70 x 100 cm / 27 x 39 "	80 x 110 cm / 31 x 43 "
Width of machine	370 cm / 146 "	400 cm / 158 "	420 cm / 166 "	440 cm / 174 "
Length of basic element	640 cm / 252 "	730 cm / 288 "	790 cm / 311 "	810 cm / 319 "
Length of 2-step-section	190 cm / 75 "		260 cm / 103 "	
Length of 3-step-section	285 cm / 113 "		390 cm / 154 "	
Weight of basic element	1.190 kg / 2,620 lbs	1.345 kg / 2,970 lbs	1.390 kg / 3,060 lbs	1.420 kg / 3,130 lbs
Weight of 2-step-section	500 kg / 1,100 lbs	595 kg / 1,300 lbs	615 kg / 1,360 lbs	630 kg / 1,390 lbs
Weight of 3-step-section	750 kg / 1,650 lbs	890 kg / 1,960 lbs	920 kg / 2,030 lbs	940 kg / 2,070 lbs
Weight of station	90 kg / 199 lbs	100 kg / 221 lbs	100 kg / 221 lbs	110 kg / 243 lbs
Max. frame size	66 x 100 cm / 26 x 39 "	105 x 115 cm / 41 x 45 "	105 x 144 cm / 41 x 56 "	105 x 154 cm / 41 x 60 "

**Power Supply:** 3 ph~ 210/400V, 50/60Hz (+/-5%)

02

UP TO 1,100 INDEXES PER HOUR

UP TO 60 PALLETS

UP TO 29 COLOURS

IQ-OVAL CDS

THE MACHINE THAT PROVIDES THE PERFECT BALANCE OF EFFICIENCY AND FLEXIBILITY

MAX. PRINT SIZE
80 X 110CM

DESCRIPTION

iQ-Oval machines offer a modular design that allows for easy customization to suit a wide range of production requirements. This not only provides cost-effective expandability options but also eliminates the need to replace an entire press that may no longer meet your business needs. With the ability to effortlessly add more pallets and colours to your existing configuration, accommodating growing production demands becomes a seamless process. Additionally, the machine's two-stage safety system is CE certified, ensuring a high level of safety and compliance.
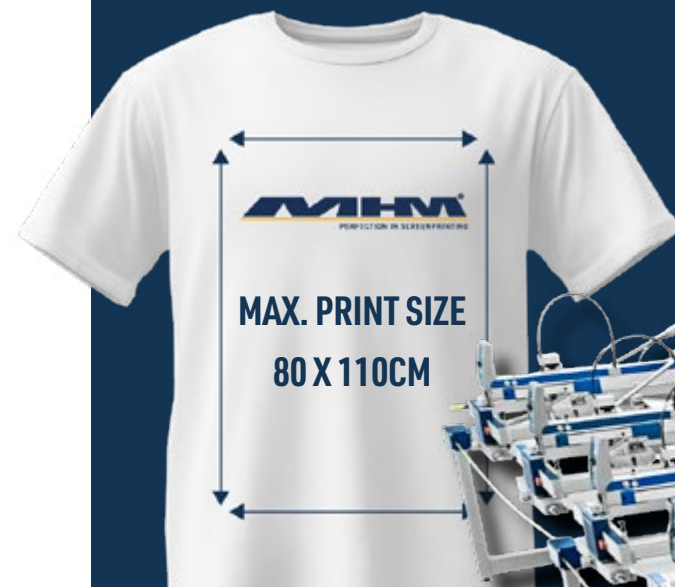
TABLET MAIN CONTROL UNIT WITH WIFI CONNECTIVITY

Android tablets can be easily replaced if they get damaged.

CONTROL KEYBOARD ON EVERY PRINT STATION

All functions adjustable directly on station

MHM 'PIN-LOCK' SCREEN HOLDING SYSTEM

Incomparable accuracy & stability at screen positioning.

CENTRAL DRIVE SYSTEM WITH BELT DRIVE

Low-maintenance and reliable

2-JOB-MODE (OPTIONAL)
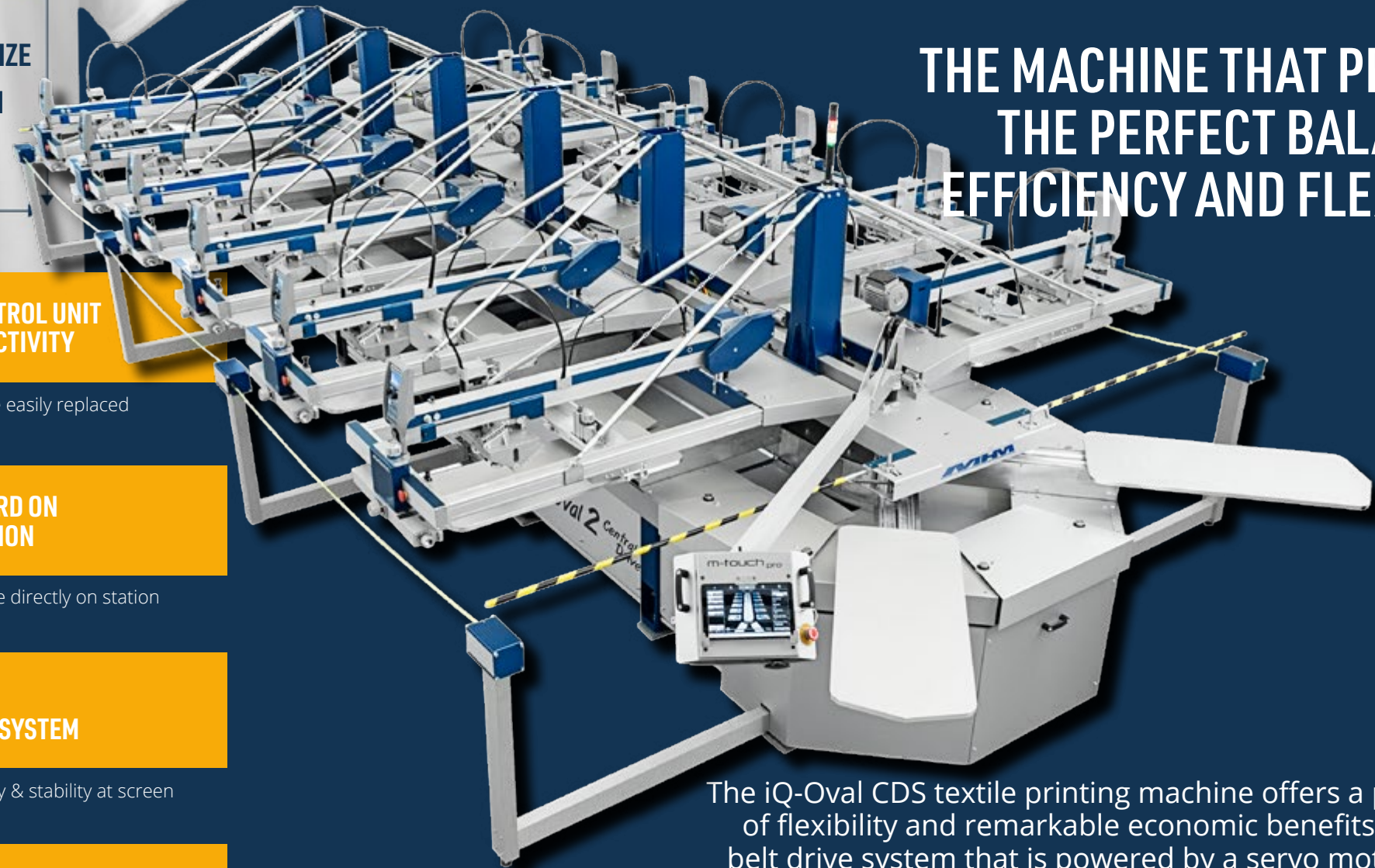
Increased efficiency by printing 2 jobs on one machine

PUSH BUTTON SUPER-FAST PALLET CHANGEOVER

Change 2 pallets with one single button, huge time saving

The iQ-Oval CDS textile printing machine offers a perfect blend of flexibility and remarkable economic benefits. It features a belt drive system that is powered by a servo motor, similar to the reliable SYNCHROPRINT SP5000. This well-established drive system ensures maintenance-free operation for many years. With its smooth and precise movement in both directions, the new drive system ensures excellent long-term registration accuracy.

SPECIFICATIONS (PER MODEL)

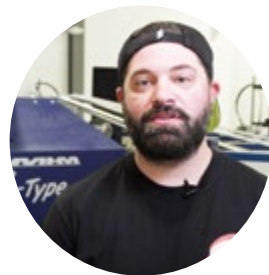|	50 x 70 cm	70 x 100 cm	80 x 110 cm
Max print area	50 x 70 cm / 19 x 27 "	70 x 100 cm / 27 x 39 "	80 x 110 cm / 31 x 43 "
Width of machine	390 cm / 154 "	430 cm / 170 "	450 cm / 178 "
Length of 10–table–machine	670 cm / 264 "	770 cm / 304 "	790 cm / 311 "
Additional length per 2 tables	110 cm / 44 "	130 cm / 52 "	
Weight of 10–table–machine*	1.625 kg / 3,583 lbs	1.780 kg / 3,925 lbs	1.800 kg / 3,969 lbs
Additional weight of 2–step–section*	275 kg / 607 lbs	310 kg / 684 lbs	315 kg / 695 lbs
Max. frame size	105 x 115 cm / 41 x 45 "	105 x 144 cm / 41 x 56 "	105 x 154 cm / 41 x 60 "

Power Supply: 3 ph~ 210/400V, 50/60Hz (+/-5%)
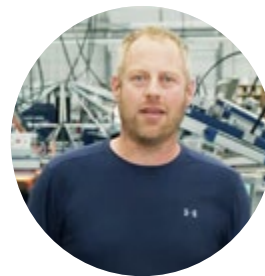
SUCCESS STORIES & REFERENCES

CUSTOMERS

THANK YOU FOR PUTTING YOUR TRUST AND CONFIDENCE IN OUR COMPANY. WE WON'T SETTLE FOR LESS THAN THE BEST FOR YOU!

LAKESHIRTS MINNESOTA
JESSE BUCKLEY CEO

LARGEST MHM SHOP IN USA WITH OVER 50 AUTOMATICS

"We have 54 MHM auto presses that have transformed our company. These machines are efficient and easy to use, playing a pivotal role in our success. The registration accuracy of MHM is impeccable. We can easily reset it, insert new screens from the DTS, and it works flawlessly without adjustments. Transitioning to a new job is simple - we remove the used screens, replace them with new ones, press "sample," and the alignment is perfect. Training employees on different MHM models is a breeze due to their consistency. Changing pallets on the MHM is incredibly simple with just a touch of a button. Maintenance-wise, MHM machines have been exceptionally reliable. In over a year of using a new machine, we haven't encountered any maintenance issues. If you're in the market for an autopress screen print machine, I highly recommend MHM. It's user-friendly and easy to learn, allowing you to become proficient in just one day."

TOPDECK APPAREL CONNECTICUT
PETER FERTIGUENA VICE PRESIDENT

"Our company specializes in screen printing and embroidery. Despite being new, our team has extensive experience. We chose the MHM press for its high-quality print and efficiency. Compared to other machines, it is unmatched. If you're considering transitioning to an automatic press, this is the best option for efficiency, output, and support. The possibilities with this machine are limitless. The training provided by SPSI has been exceptional, improving our knowledge and skills."

BLUE DOLPHIN NEW HAMPSHIRE
JAY MEYER OWNER

"When you see the press, it is evident that it is constructed with excellent craftsmanship. Rest assured, SPSI and the team at MHM will provide you with exceptional service to ensure that your machine operates smoothly. Their efforts in getting us up and running have been commendable and have significantly impacted our operations."

WATCH NOW

„Thanks to Adi Dorflinger for hooking me up with some 35 year old parts for my 1985 model SA machines. I have new push button panels for my machines. Here's to another 35 years! MHM is the best! Other than a few solenoids, I've had no problems with these presses. Go anywhere in the world and you'll see old machines from other manufacturers sitting in the corner broken down because of lack of parts or the software guy retired. Gotta love MHM quality, even from the beginning."

Richard Turner

TO THE CUSTOMER, YOU ARE THE COMPANY.

03

CUSTOMERS

THANKS FOR SHARING YOUR EXPERIENCE WITH US!

SOMERSET PRINT UK
JASON GOULD

"At our company, we value family values and work as a close-knit team. We actively support each other, smoothly transitioning between different responsibilities. I'm committed to staying with MHM because of its dedication to exceptional print quality. This printer stands out for its superior quality, consistently printing with great precision and capturing every detail flawlessly. From vibrant colours to intricate patterns, it brings your designs to life and exceeds expectations. Its advanced technology and state-of-the-art features make it the best option for professional documents and stunning artwork. With exceptional performance and unbeatable results, this machine is unmatched."

HOBO JACK CLOTHING UK
DAN MOUGHTIN

"We are proud to be an independent clothing brand that relies on MHM for our t-shirt screen printing needs. MHM was the obvious choice for us when starting out. John, our contact at MHM, provided excellent guidance and ensured UK-based support. MHM's user-friendly interface made the learning process easy and setup a breeze. We were impressed with MHM's efficiency and speed, helping us get up and running quickly. The Tosoma dryer exceeded our expectations with its fast performance. MHM has always been reliable support for us as newcomers to screen printing. We are grateful for their expertise, guidance, and commitment to our success."

TOT SHIRTS LTD LONDON, UK
DAVE SMITH

"Since joining as the fourth staff member, I've witnessed the company's growth to around 120 employees. We selected MHM for their dependable engineering and simplicity. They consistently deliver reliable results without unnecessary features. One of the key factors in choosing MHM was their flexibility in accommodating last-minute requests. We needed interchangeable components to meet our daily requirements with greater flexibility. On average, we handle about 100 jobs a day, resulting in approximately 25,000 prints. By maintaining consistent and clean machines, we can effectively meet our clients' needs."

WATCH NOW

EUROPE

03

TONY'S TOP 10

01
CONTROL THE PROCESS, CONTROL THE PRINT
Here's my wild card! It's a very inclusive statement, but in simple terms, it means that you should consider every aspect of the process and implement a control measure. Don't leave anything to chance or the unpredictable mood of the stencil tech.

02
REPLACE YOUR SQUEEGEES
Remembering how to spell this point can be a bit challenging, but it's actually quite important. Having a sharp blade is crucial when it comes to transferring ink onto a shirt and keeping all the intricate details intact. It's worth noting that blades are consumable items and can become dull with frequent use. To add to the confusion, manufacturers of rubber blades often use different colours to represent the same hardness.

03
MESH SELECTION
As printing becomes increasingly automated with machines that can handle almost every task in a print shop, the selection of mesh per job remains one of the few areas that require skill and expertise. It's important to understand the distinction between a 90 mesh and a 120 mesh and to use this knowledge wisely. Knowing when to adjust the mesh count and when to prioritize detail over opacity is key.

04
QUALITY OVER QUANTITY
Make sure you prioritize quality! Nowadays, automatic presses can produce over 1,000 prints per hour. However, if the quality of the prints is poor, you'll end up with 1,000 bad prints heading towards an unsuspecting catcher or cardboard box. It's crucial to establish high standards for quality before focusing on speed. If you rush the printing process, you might end up with left chest prints that look terrible and easily come off the shirt. This happens when the loader is in a hurry and ends up printing under the armpit.

05
WHEN THE SQUEEGEES ARE IN MOTION, THAT'S WHEN YOU START EARNING MONEY
Long runs in the industry have become quite rare. Nowadays, local clubs or businesses have taken over, utilizing wholesale garment catalogues and individuals with basic design skills. These new customers often do not want to pay for setup fees, as they compare themselves to their neighbour who prints single-colour designs for free. They also struggle to comprehend why a fee is required for a colour change when the design remains the same. To adapt to this changing landscape, it is crucial to be efficient in changeovers and minimize downtime. By accurately predicting what is needed when the press stops, you can significantly reduce lost time. For instance, an automated machine can produce 100 shirts in just six minutes, highlighting the importance of minimizing the 20 minutes spent on setup and takedown.

06
LOOK AFTER THE SQUISHY THINGS!
Controlling staff can be quite a challenge for a print shop, no matter how big or experienced it is. Screen printing may not be the most glamorous job, as we often end up covered in ink and smelling like chemicals. We also create colourful, fluffy boogers that could impress any children's entertainer. Finding individuals who are willing to work in the washout boot or operate the machines requires specialized skills. Despite the demanding nature of the job, the pay is often limited by the price ceiling for the finished products. It is essential to take care of our hard-working staff and acknowledge their sacrifices in the screen printing industry.

07
WRITE IT DOWN
Producing an impressive print is a beautiful thing. But remembering the specific techniques used for reprint requests can be challenging. To overcome this hurdle, create a template that matches your press shape. Include the problematic head that hasn't been functioning properly since your adjustment. Fill in this template with the five key variables for each print job: mesh, blade, speed, angle, and pressure. These factors are often the biggest challenges we face daily. Record them for every job, whether it's a simple print for the graduating kids or a complex project shared on Instagram.

08
DON'T BE AFRAID TO TRY
This is all about the cozy space we often find ourselves in. Printing is not a static technique that calmly demands our attention. It's a dynamic creature that may seem adorable enough to cuddle, but beware, it can bite back if you lose focus. The printing industry is constantly evolving, with new methods emerging regularly. So go ahead, invest in that new ink, experiment with different meshes, and see what happens. Sure, there may be some spectacular failures along the way, but that's how we printers learn and grow.

09
AUTOMATE
Referring to the comfort zone we find ourselves in, it's important to note that printing is not a stagnant technique. It's an ever-evolving industry with new techniques emerging regularly. It can be tempting to stick to what we know, but trying new things can lead to valuable learning experiences. Whether it's buying new ink or experimenting with different mesh, stepping out of our comfort zone can sometimes result in failures. However, as printers, we can learn and grow from these experiences. Automation is becoming more accessible in the printing industry. What was once only available to high-end printers is now affordable for many. Investing in automatic machinery, such as an automatic coater, can bring consistency and standardization to the printing process. By maintaining constants in the process, such as a consistent pace, pressure, and angle, we can achieve standardized results. This consistency has a positive impact on factors like exposure time, stencil longevity, and print sharpness. Taking steps to ensure that every aspect of the process can be repeated regardless of the operator is crucial. This helps maintain the quality and reliability of our prints. By implementing practices that allow for repeatability, we can ensure consistent outcomes and uphold the standards of our work.

10
HAVE FUN
The art of screen printing can be quite challenging, especially during these times of a global shortage of supplies. It may make you question your career choice. However, my advice is to simply enjoy the process. Despite the difficulties, there's nothing quite like the satisfaction of seeing the finished job, even when you thought it would be the end of you. So go ahead and send that hot coin down the dryer, stack the shirts in a pile, ask silly questions like "Is this a back print?" and have fun with your coworkers. Embrace the ride and make the most of your printing journey.

Tony Palmer, with over 30 years of experience in the garment decoration industry, is a highly regarded independent print consultant. He collaborates closely with print shops to optimize their existing processes and techniques. Tony's unwavering dedication lies in preserving and elevating production skill levels within the industry. As the owner and consultant at Palmprint Consultants, he provides invaluable practical support and assistance to garment decorators worldwide.

Discover more about Tony and his services at **www.palmprintuk.com.**
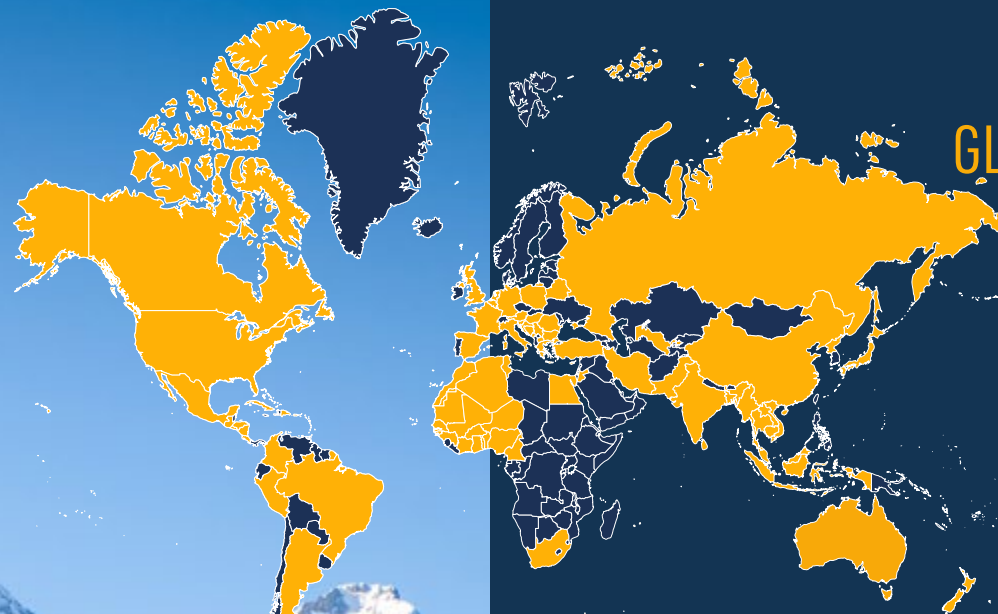
PARTNER

SUCCESS DOES NOT HAPPEN BY CHANCE!

The MHM Family takes immense pride in its extensive and well-established network of distributors spanning across the globe. In addition to our dedicated team in Erl, Austria, we have forged strong partnerships with renowned technology companies. These partnerships enable us to offer our customers an extensive array of services, ensuring their utmost satisfaction.

Among the services we provide are on-site technical support, staffed by knowledgeable professionals who are well-versed in the intricacies of MHM printing equipment. Our sales teams are equipped with in-depth product knowledge and are readily available to assist customers in finding the perfect solutions for their printing needs. We also have local offices strategically located in key regions, allowing us to offer personalized assistance and swift response times.

Furthermore, our storage facilities are specifically designed to house spare parts, ensuring a seamless supply chain for our customers. This enables us to promptly fulfill orders and minimize any potential downtime. We understand the importance of efficient and reliable equipment, and our commitment is to provide every customer with the highest level of assistance in utilizing their MHM printing equipment.
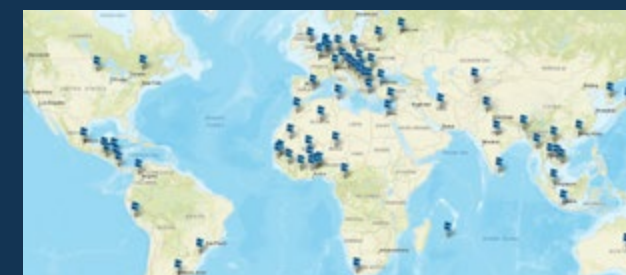
That is why we go above and beyond to provide exceptional service and ensure that their needs are met at every step of the way. Our team of highly skilled professionals work tirelessly to find innovative solutions and deliver results that exceed expectations. We understand that each customer is unique and we tailor our approach to meet their specific requirements. Whether it's troubleshooting technical issues, providing timely updates, or offering personalized advice, we are committed to being a reliable partner in their journey towards success. Our commitment to excellence is what sets us apart and drives us to constantly improve and evolve. As we continue to expand our reach and strengthen our relationships, we remain steadfast in our mission to be the go-to provider for all our customers' needs.

We are actively seeking a reliable and trustworthy partner for distribution. With our expanding range of products and growing customer base, finding the right distribution partner is crucial for our success. We are looking for a partner who shares our commitment to quality and customer satisfaction. Together, we can reach new markets and ensure that our products are readily available to customers worldwide. If you are interested in becoming our distribution partner, please reach out to us. We look forward to exploring this exciting opportunity with you.

JOHN POTTER & FLORIAN FREILINGER

John, after handing over MHM Direct GB to his sons, has been working as an independent consultant. He has been closely involved with MHM for many years, providing valuable input and expertise. His knowledge of the day-to-day operations and the specific needs of each screen printer is unmatched. John is not only an invaluable asset and friend to MHM, but also to the entire screen printing industry.

05

SERVICE

HAVING PROPER SUPPORT IS ESSENTIAL TO ENSURE THAT YOUR MHM EQUIPMENT PERFORMS AT ITS BEST

With our groundbreaking MHM service, we have successfully developed and implemented a comprehensive solution that seamlessly integrates all technical and administrative measures. This all-encompassing approach ensures that every aspect of your MHM equipment is taken care of throughout its entire lifespan. Our commitment to excellence is unwavering, as we strive to guarantee the perpetual and sustained operability of your machines, even in the face of unforeseen failures.

We leave no stone unturned in our efforts to empower you with the ability to consistently achieve optimal performance and functionality. Our team of dedicated professionals works tirelessly behind the scenes, diligently providing unparalleled support and assistance. We understand the importance of safeguarding against potential setbacks or failures that may arise, and we have implemented effective management strategies to mitigate any risks.

Rest assured, our team is always at your disposal, ready to address any concerns or queries you may have. We believe in building strong and lasting partnerships with our clients, and we are committed to going above and beyond to ensure your satisfaction. Trust in our expertise and experience, and let us take care of your MHM equipment, so you can focus on what matters most – your business.

Please feel free to reach out to our dedicated Service Department. Our team of experts is ready to assist you with any inquiries or concerns you may have. Whether you need assistance with product troubleshooting, warranty claims, or general support, our Service Department is here to provide you with top-notch service. You can contact us via phone and email. We value your satisfaction and are committed to ensuring that your experience with our service is seamless and hassle-free. Don't hesitate to get in touch with us today!

Email service@mhm.at
Phone +43 5373 76080-18

THERE ARE NO TRAFFIC JAMS ALONG THE EXTRA MILE.

RENE VIKOLER
Head of Service

06

DESCRIPTION

The MHM Single Print is widely recognized as the ultimate solution for small quantity printing, delivering exceptional quality. This versatile printing system excels not only in the textile industry but also in various graphic applications. Whether you need to handle single colour graphic printing jobs or apply special coatings on sheets or similar materials, the Single Print is the ideal choice.

One of the stand-out features of the MHM Single Print is its flexibility. It can be easily installed on the wall or equipped with wheels for enhanced mobility. This allows for effortless manoeuvrability and adaptability to different working environments. Whether you prefer a fixed setup or require the ability to move the printing system around, the MHM Single Print offers utmost convenience.

Furthermore, the MHM Single Print is equipped with the highly reliable MHM print head system. This advanced technology ensures precise and accurate printing results, even on transfer sheets. With its exceptional level of accuracy, you can trust that your prints will have a flawless surface finish, meeting the highest standards of quality.

MAX. PRINT SIZE
70 X 100CM
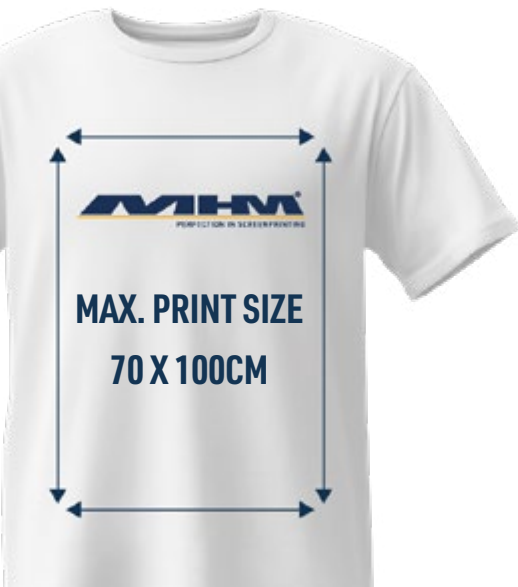
SQUEEGEE ARM LIFT FOR INCREASED VISIBILITY

Making simple adjustments and cleaning the screen can significantly enhance productivity.

INDEPENDENT FLOOD / PRINT SPEED CONTROLS

Setting up each print job with a straightforward and precise configuration.

TOOL-FREE FRONT / REAR STROKE LENGTH ADJUSTMENT

Quick and efficient modifications

SQUEEGEE PRESSURE REGULATOR ON STATION

Specific adjustments for all print jobs

QUICK RELEASE SQUEEGEE & FLOODBAR

Fast and easy setup and squeegee change

FULL MICRO-REGISTRATION WITH ZERO STARTING POSITION

Time-saving during print preparation

SCREEN PRINTING MACHINE

SINGLE PRINT

THE BEST CHOICE FOR SMALL QUANTITIES, OFFERING OUTSTANDING QUALITY

The Single Print is an incredibly versatile tool that can be used in both the textile and graphic printing industries. It has a wide range of applications, from simple single colour graphic printing to applying special coatings on sheets or similar materials. What's great about this tool is that it can be easily mounted on the wall or equipped with wheels for added flexibility. With the MHM print head system, you can achieve precise printing on transfer sheets with ease.

SPECIFICATIONS (PER MODEL)

	Single Print	Single Print Double Pallet
Number of pallets	1	2
Machine weight	275 kg	310 kg
Machine height	175 cm / 68.9"	
Max. print area	50 x 70 cm / 19.7 x 27.6" or 70 x 100 cm / 27.6 x 39.4" special size on request	
Max. frame size	75 x 115 cm / 29.5 x 45.3" or 91 x 144 cm / 35.8 x 56.7"	

Power supply: 1 ph~ 200-240V, 50/60Hz (+/-5%)

07

DIFFERENCES	MW	HTL
Name	Medium wave (carbon)	Halogen tungsten lamp
Material	Carbon	Tungsten
Reaction time	Within 1 - 2 sec.	Within 1 - 2 sec.
Drying time	2 - 3 sec.	6 - 8 sec.
Temperature	1.200 °C / 2,192 °F	1.600 °C / 2,912 °F
Wave length	2.0 µm	1.6 µm
Bias current	4 A	8 A
Radiant intensity	300 cm	41 cm

DESCRIPTION

MHM revolutionized the industry by combining carbon emitters that emit the precise wavelength for efficient curing, along with reflectors designed by computers to ensure accurate distribution of air and heat. Each model is equipped with microprocessor-driven controllers that offer precise control over intensity and time, resulting in faster production rates, cooler curing, and reduced need for cooling stations. Additionally, every unit comes with a cable for seamless communication with the press, allowing operators to directly control all parameters from the MHM touch screen display. This feature provides convenience and minimizes press stoppage. Furthermore, these units can be easily installed into any print station without the need for additional floor space or tools. (Optional reflective temperature sensor is available for accurate measurement of substrate temperature and overriding time settings for greater control).

SPECIAL CARBON IR

Special carbon IR emitters produce the optimal wavelength for curing, without overheating the pallets.

FAST AND EVEN DRYING OF THE DRYING SURFACE

By ensuring that the drying process is swift and uniform, you can minimize the risk of uneven drying, which can lead to issues such as cracking or warping.

ADJUSTABLE POWER AND TIME CONTROL

Adjustable power and time control is an essential feature when it comes to handling special fabrics.

ELIMINATION OF GARMENT SHRINKAGE AND DISCOLOURATION

One of the primary caused by various factors such as causes of garment shrinkage is exposure to sunlight, harsh chemicals improper washing, or improper and drying techniques or washing techniques.

NO NEED FOR COOLING STATIONS

FLASH CURES
GO-TO CHOICE FOR SCREEN PRINTERS

These cutting-edge lamps offer printers unparalleled control, enabling them to work with a wide range of fabrics, including nylon. With their global reach spanning across all six continents, MHM is the ultimate provider of top-notch flash curing technology.

OVERVIEW MW-VERSIONS

MW-SERIES — TECHNICAL DATA

Name	Length in mm	Width in mm	Height in mm	Drying surface in mm	Fans	Lamps	Power at 3x 400V	Power at 3x 210V	Current at 3x 400V	Current at 3x 210V	MHM press
QC4646MW	850	564	315	460x410	1	6x MW 3001	11.3 kW	9.4 kW	25A	41A	SPSX/SPSXLS and SPiQ/SP5000 50x70cm
QC4355MW	685	455	278	426x540	2	6x MW 5001	12.7 kW	10.6 kW	19A	30A	SPXC
QC4661MW	755	500	277	465x610	2	6x MW 7001	14.3 kW	11.9 kW	21A	34A	SPSX
QC4669MW	855	500	278	465x610	3	6x MW 4001	14.3 kW	11.9 kW	21A	34A	SPSX/SPSXLS
QC4170MW	740	560	250	465x690	2	9x MW 3001	17.0 kW	14.2 kW	25A	41A	SPSXLS/SPSXLF, not suitable for SPSX
QC5069MW	852	560	250	499x690	3	6x MW 4001	14.3 kW	11.9 kW	21A	34A	SPSXLF/SPiQ/SP5000 50x70cm, not suitable for SPSX
QC70100MW	1170	730	270	709x1000	6	9x MW 9001	38.1 kW	31.8 kW	55A	91A	SPSXLF/SPiQ/SP5000 50x70cm
QC8044MW	957	463	240	800x434	2	6x MW 6001	13.7 kW	11.4 kW	20A	33A	SPiQ/SP5000 70x100 and 80x100cm
QC6080MW	971	633	270	605x800	3	9x MW 6003	13.9 kW	11.9 kW	21A	34A	für SP5000 only fitted in uprights

OVERVIEW HTL-VERSIONS

HTL-SERIES — TECHNICAL SPECIFICATIONS

Name	Length in mm	Width in mm	Height in mm	Drying surface in mm	Fans	Lamps	Power at 3x 400V	Power at 3x 210V	Current at 3x 400V	Current at 3x 210V	MHM press	Hot air
QC4646HTL	850	564	315	450x460	1	6x HTL 1701	11.1 kW	8.3 kW	16A	27A	SPSX/SPSXLS and SPiQ/SP5000 50x70cm	
QC4355HTL	685	455	278	370x636	2	9x HTL1503	13.5 kW	11.3 kW	20A	32A	SPXC	opt.
QC4661HTL	755	500	277	408x710	2	9x HTL 1500	13.5 kW	11.3 kW	20A	32A	SPSXLS not suitable for SPSX	
QC4170HTL	740	560	250	460x690	2	9x HTL 1701	16.7 kW	12.4 kW	24A	40A	SPSXLF/SPiQ/SP5000 50x70cm	opt.
QC70100HTL	1170	730	270	650x1121	6	18x HTL 2001	36.0 kW	30.0 kW	52A	86A	SPiQ/SP5000 70x100cm	

FILM POSITIONING UNIT

PRO IRON

FPU S

1450 mm / 57.1 ″

max. screen length: 1180 mm / 46.5 ″
min. screen length: 650 mm / 25.6 ″

FPU L

1900 mm / 74.8 ″
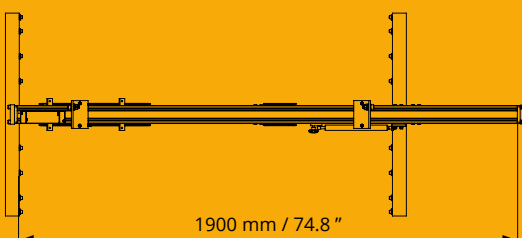
max. screen length: 1590 mm / 62.6 ″
min. screen length: 650 mm / 25.6 ″

FPU XL

2450 mm / 96.5 ″
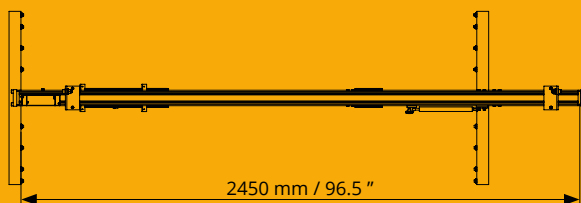
max. screen length: 2150 mm / 84.6 ″
min. screen length: 650 mm / 25.6 ″

DESCRIPTION

In recent years, the importance of this aspect of the industry for screenprinters has grown significantly. This can be attributed to the remarkable improvements in quality, job completion time, and overall effectiveness, as well as the increasing environmental responsibilities. Below, you will find a selection of top branded equipment options available in the industry, accompanied by unmatched training and technical support.

Power Supply: 30 Watt
Minimum energy consumption

FREESTANDING UNIT

Avoids tying up the glass of your exposure unit

MAXIMUM FLEXIBILITY

Suitable for use with both conventional frames and roller frames

TIME-SAVING PIN-BAR

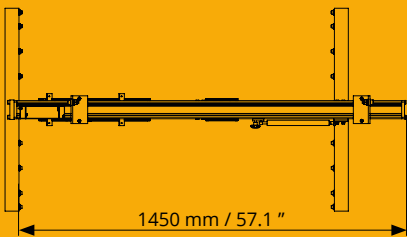Precise positioning of registration pins to screens

BUILT-IN FINE LINE LED-GUIDES

Accurate positioning of artwork to screen

FLEXIBLE POSSIBILITIES OF ADJUSTMENTS

Accommodation of various screen sizes

DIRECT ASSEMBLY ON THE PRINTHEAD

Seamless work without interrupting the printing process

EXTREMELY VERSATILE AND EASY USAGE

Possible temperatures of up to 200 °C / 392 °F

EASY HANDLING

Speed and pressure are easily adjusted via the print head

HIGH PRINT QUALITY

Reduction of fibrillation and brighter colours as a result

SPECIFICATIONS

Compatibility	with any MHM automatic screen printing machine
Speed / pressure	regulated via the print head
Electric supply	1 ph 200-240 V; 50/60 Hz; ± 5 %
Power consumption	2,1 kVA
Max. heating temperature	200 °C / 392 °F
Heating width	400 mm / 15.74 ″
Required accessory	teflon-screen

DESCRIPTION

PRO IRON attaches directly to any print head of any MHM Automatic Press and works seamlessly without interrupting the printing process.

Speed and pressure are easily adjusted via the print head and the unit has an adjustable temperature of up to 200°C, making PRO IRON extremely versatile and very easy to use.

RAISE YOUR FLEXIBILITY & CREATIVITY
PALLETS

Constructed from aerospace quality high-tech aluminium honeycomb, these pallets are extremely durable yet conveniently lightweight for easy operator handling. The manufacturing process ensures these pallets are incredibly flat, essential for consistent print repeatability on today's modern screenprinting presses. A wide range of speciality pallets are also available including 'all-over print', sleeve, leg, sock, umbrella and vacuum. (Please enquire for specific requirements). All pallets are compatible with the 'Automatic Push-Button Pallet Change' feature, standard on all MHM presses.

Aluminium Honeycomb pallets

MHM-screen adjustment pallet

Honeycomb structure pallet

Vacuum pallet

All over pallet

ALU-PALLETS X-TYPE PLUS (SPXC)

Type	Neck	Dimensions
ALU-SLEEVE PALLET	✓	13x 80 cm_400 / 5.1 x 31.5 "_157.5 "
ALU-PALLET	✓	26 x 80 cm_400 / 10.2 x 31.5 "_157.5 "
ALU-PALLET	✓	32 x 80 cm_400 / 12.6 x 31.5 "_157.5 "
ALU-PALLET	✓	36 x 80 cm_400 / 14.2 x 31.5 "_157.5 "
ALU-PALLET	✓	40 x 80 cm_400 / 15.7 x 31.5 "_157.5 "
ALU-PALLET	✓	45 x 80 cm_400 / 17.7 x 31.5 "_157.5 "
ALU-PALLET		26 x 80 cm_400 / 10.2 x 31.5 "_157.5 "
ALU-PALLET		32 x 80 cm_400 / 12.6 x 31.5 "_157.5 "
ALU-PALLET		36 x 80 cm_400 / 14.2 x 31.5 "_157.5 "
ALU-PALLET		40 x 80 cm_400 / 15.7 x 31.5 "_157.5 "
ALU-PALLET		45 x 80 cm_400 / 17.7 x 31.5 "_157.5 "

ALU-PALLETS S-TYPE XTREME (SPSX)

Type	Neck	Dimensions
ALU-PALLET	✓	36 x 80 cm_400 / 14.2 x 31.5 "_157.5 "
ALU-PALLET	✓	40 x 80 cm_400 / 15.7 x 31.5 "_157.5 "
ALU-PALLET	✓	45 x 80 cm_400 / 17.7 x 31.5 "_157.5 "
ALU-PALLET	✓	52 x 80 cm_400 / 20.5 x 31.5 "_157.5 "
ALU-PALLET		26 x 80 cm_400 / 10.2 x 31.5 "_157.5 "
ALU-PALLET		32 x 80 cm_400 / 12.6 x 31.5 "_157.5 "
ALU-PALLET		36 x 80 cm_400 / 14.2 x 31.5 "_157.5 "
ALU-PALLET		40 x 80 cm_400 / 15.7 x 31.5 "_157.5 "
ALU-PALLET		45 x 80 cm_400 / 17.7 x 31.5 "_157.5 "
ALU-PALLET		52 x 80 cm_400 / 20.5 x 31.5 "_157.5 "

ALU-PALLETS S-TYPE XTREME (SPSXLF / SPSXLS)

Type	Neck	Dimensions
ALU-PALLET	✓	26 x 100 cm_400 / 10.2 x 39.4 "_157.5 "
ALU-PALLET	✓	32 x 100 cm_400 / 12.6 x 39.4 "_157.5 "
ALU-PALLET	✓	36 x 100 cm_400 / 14.2 x 39.4 "_157.5 "
ALU-PALLET	✓	40 x 100 cm_400 / 15.7 x 39.4 "_157.5 "
ALU-PALLET	✓	45 x 100 cm_400 / 17.7 x 39.4 "_157.5 "
ALU-PALLET	✓	52 x 100 cm_400 / 20.5 x 39.4 "_157.5 "
ALU-PALLET		26 x 100 cm_400 / 10.2 x 39.4 "_157.5 "
ALU-PALLET		32 x 100 cm_400 / 12.6 x 39.4 "_157.5 "
ALU-PALLET		36 x 100 cm_400 / 14.2 x 39.4 "_157.5 "
ALU-PALLET		40 x 100 cm_400 / 15.7 x 39.4 "_157.5 "
ALU-PALLET		45 x 100 cm_400 / 17.7 x 39.4 "_157.5 "
ALU-PALLET		52 x 100 cm_400 / 20.5 x 39.4 "_157.5 "
ALU-PALLET		55 x 100 cm_400 / 21.7 x 39.4 "_157.5 "

ALU-PALLETS SP5000 / IQ-OVAL

Type	Neck	Dimensions
ALU-PALLET	✓	26 x 100 cm_500 / 10.2 x 39.4 "_196.9 "
ALU-PALLET	✓	32 x 100 cm_500 / 12.6 x 39.4 "_196.9 "
ALU-PALLET	✓	36 x 100 cm_500 / 14.2 x 39.4 "_196.9 "
ALU-PALLET	✓	40 x 100 cm_500 / 15.7 x 39.4 "_196.9 "
ALU-PALLET	✓	45 x 100 cm_500 / 17.7 x 39.4 "_196.9 "
ALU-PALLET	✓	52 x 100 cm_500 / 20.5 x 39.4 "_196.9 "
ALU-PALLET	✓	55 x 100 cm_500 / 21.7 x 39.4 "_196.9 "
ALUPALETTE		26 x 100 cm_500 / 10.2 x 39.4 "_196.9 "
ALU-PALLET		32 x 100 cm_500 / 12.6 x 39.4 "_196.9 "
ALU-PALLET		36 x 100 cm_500 / 14.2 x 39.4 "_196.9 "
ALU-PALLET		40 x 100 cm_500 / 15.7 x 39.4 "_196.9 "
ALU-PALLET		45 x 100 cm_500 / 17.7 x 39.4 "_196.9 "
ALU-PALLET		52 x 100 cm_500 / 20.5 x 39.4 "_196.9 "
ALU-PALLET		55 x 100 cm_500 / 21.7 x 39.4 "_196.9 "
ALU-PALLET		60 x 100 cm_500 / 23.6 x 39.4 "_196.9 "
ALU-PALLET		75 x 120 cm_600 / 29.5 x 47.2 "_236.2 "
ALU-PALLET		85 x 140 cm_600 / 33.5 x 55.1 "_236.2 "

ALU-PALLETS IQ-OVAL COMPACT

Type	Neck	Dimensions
ALU-SLEEVE PALLET		13 x 80 cm_400 / 5.1 x 31.5 "_157.5 "
ALU-SLEEVE PALLET DOUBLE ASSEMBLY		13 x 80 cm_400 / 5.1 x 31.5 "_157.5 "
ALU-PALLET	✓	26 x 80 cm_400 / 10.2 x 31.5 "_157.5 "
ALU-PALLET	✓	32 x 80 cm_400 / 12.6 x 31.5 "_157.5 "
ALU-PALLET	✓	36 x 80 cm_400 / 14.2 x 31.5 "_157.5 "
ALU-PALLET	✓	40 x 80 cm_400 / 15.7 x 31.5 "_157.5 "
ALU-PALLET	✓	45 x 80 cm_400 / 17.7 x 31.5 "_157.5 "
ALU-PALLET	✓	52 x 80 cm_400 / 20.5 x 31.5 "_157.5 "
ALU-PALLET		26 x 80 cm_400 / 10.2 x 31.5 "_157.5 "
ALU-PALLET		32 x 80 cm_400 / 12.6 x 31.5 "_157.5 "
ALU-PALLET		36 x 80 cm_400 / 14.2 x 31.5 "_157.5 "
ALU-PALLET		40 x 80 cm_400 / 15.7 x 31.5 "_157.5 "
ALU-PALLET		45 x 80 cm_400 / 17.7 x 31.5 "_157.5 "
ALU-PALLET		52 x 80 cm_400 / 20.5 x 31.5 "_157.5 "

FLOOD BARS

Floodbars are an essential component for MHM presses as they come in a diverse range of standard sizes, catering to all your printing needs. These floodbars are meticulously manufactured using high-quality stainless steel, ensuring durability and reducing the risk of any potential 'edge damage' during the cleaning process.

It is worth noting that floodbars made from aluminum can be quite delicate and prone to damage if mishandled or dropped carelessly into the cleaning booth. Such damages can lead to 'edge damage' and result in ripped screens during subsequent print runs. However, with stainless steel floodbars, you can have peace of mind knowing that they are built to withstand the rigors of the printing industry. Additionally, if you require floodbars in custom sizes to accommodate specific requirements, special sizes can be readily provided upon request.

FLOODS BAR X-TYPE PLUS (SPXC)

Type	Width
FLOOD BAR	13 cm / 5.1 "
FLOOD BAR	26 cm / 10.2 "
FLOOD BAR	32 cm / 12.6 "
FLOOD BAR	36 cm / 14.2 "
FLOOD BAR	40 cm / 15.7 "
FLOOD BAR	45 cm / 17.7 "

FLOOD BARS S-TYPE XTREME (SPSX)

Type	Width
FLOOD BAR	13 cm / 5.1 "
FLOOD BAR	26 cm / 10.2 "
FLOOD BAR	32 cm / 12.6 "
FLOOD BAR	36 cm / 14.2 "
FLOOD BAR	40 cm / 15.7 "
FLOOD BAR	45 cm / 17.7 "
FLOOD BAR	50 cm / 19.7 "
FLOOD BAR	52 cm / 20.5 " (SPSXLF)

FLOOD BARS IQ-OVAL COMPACT

Type	Width
FLOOD BAR	13 cm / 5.1 "
FLOOD BAR	26 cm / 10.2 "
FLOOD BAR	32 cm / 12.6 "
FLOOD BAR	36 cm / 14.2 "
FLOOD BAR	40 cm / 15.7 "
FLOOD BAR	45 cm / 17.7 "
FLOOD BAR	50 cm / 19.7 "

FLOOD BARS SP5000 & IQ-OVAL

Type	Width
FLOOD BAR	13 cm / 5.1 "
FLOOD BAR	26 cm / 10.2 "
FLOOD BAR	32 cm / 12.6 "
FLOOD BAR	36 cm / 14.2 "
FLOOD BAR	40 cm / 15.7 "
FLOOD BAR	45 cm / 17.7 "
FLOOD BAR	50 cm / 19.7 "
FLOOD BAR	52 cm / 20.5 "
FLOOD BAR	60 cm / 23.6 "
FLOOD BAR	72 cm / 28.3 " (70 x 100 & 80 x 110)
FLOOD BAR	82 cm / 32.3 " (80 x 110)

SQUEEGEES

Squeegees play a crucial role in the printing industry, and at MHM, we offer a diverse selection of squeegees in various standard sizes to cater to the needs of our customers. Our squeegees are specially designed with a unique profile that eliminates the need for bolts across the front surface.

SQUEEGEES SPXC | SPSX | IQ-OVAL | SP5000

Type	Width	Hardness	Type	Width	Hardness
SQUEEGEE	13 cm / 5.1 "	55-Shore	SQUEEGEE	36 cm / 14.2 "	65-Shore
SQUEEGEE	13 cm / 5.1 "	65-Shore	SQUEEGEE	36 cm / 14.2 "	75-Shore
SQUEEGEE	13 cm / 5.1 "	75-Shore	SQUEEGEE	36 cm / 14.2 "	85-Shore
SQUEEGEE	13 cm / 5.1 "	85-Shore	SQUEEGEE	40 cm / 15.7 "	55-Shore
SQUEEGEE	26 cm / 10.2 "	65-Shore	SQUEEGEE	40 cm / 15.7 "	65-Shore
SQUEEGEE	26 cm / 10.2 "	75-Shore	SQUEEGEE	40 cm / 15.7 "	75-Shore
SQUEEGEE	32 cm / 12.6 "	55-Shore	SQUEEGEE	40 cm / 15.7 "	85-Shore
SQUEEGEE	32 cm / 12.6 "	65-Shore	SQUEEGEE	45 cm / 17.7 "	65-Shore
SQUEEGEE	32 cm / 12.6 "	75-Shore	SQUEEGEE	45 cm / 17.7 "	75-Shore
SQUEEGEE	32 cm / 12.6 "	85-Shore	SQUEEGEE	45 cm / 17.7 "	85-Shore
SQUEEGEE	36 cm / 14.2 "	55-Shore			

This innovative design allows for quick and easy blade changes, as well as secure clamping of the rubber for a distortion-free printing experience. Additionally, our squeegees are effortless to clean, ensuring optimal performance and longevity. It's worth noting that we also provide custom-sized squeegees upon request, allowing our customers to find the perfect fit for their specific printing requirements.

SQUEEGEES SPSX | IQ-OVAL | SP5000

Type	Width	Hardness	Fitting to
SQUEEGEE	50 cm / 19.7 "	55-Shore	SP5000 | SPiQ-Oval | SPiQ-Oval COMPACT | SPSX (all)
SQUEEGEE	50 cm / 19.7 "	65-Shore	SP5000 | SPiQ-Oval | SPiQ-Oval COMPACT | SPSX (all)
SQUEEGEE	50 cm / 19.7 "	75-Shore	SP5000 | SPiQ-Oval | SPiQ-Oval COMPACT | SPSX (all)
SQUEEGEE	52 cm / 20.5 "	55-Shore	SP5000 | SPiQ-Oval | SPSXLF
SQUEEGEE	52 cm / 20.5 "	65-Shore	SP5000 | SPiQ-Oval | SPSXLF
SQUEEGEE	52 cm / 20.5 "	75-Shore	SP5000 | SPiQ-Oval | SPSXLF
SQUEEGEE	52 cm / 20.5 "	85-Shore	SP5000 | SPiQ-Oval | SPSXLF
SQUEEGEE	60 cm / 23.6 "	65-Shore	SP5000 | SPiQ-Oval (70 x 100 & 80 x 110)
SQUEEGEE	60 cm / 23.6 "	75-Shore	SP5000 | SPiQ-Oval (70 x 100 & 80 x 110)
SQUEEGEE	72 cm / 28.3 "	55-Shore	SP5000 | SPiQ-Oval (70 x 100 & 80 x 110)
SQUEEGEE	72 cm / 28.3 "	65-Shore	SP5000 | SPiQ-Oval (70 x 100 & 80 x 110)
SQUEEGEE	72 cm / 28.3 "	75-Shore	SP5000 | SPiQ-Oval (70 x 100 & 80 x 110)
SQUEEGEE	72 cm / 28.3 "	85-Shore	SP5000 | SPiQ-Oval (70 x 100 & 80 x 110)
SQUEEGEE	82 cm / 32.3 "	55-Shore	SP5000 | SPiQ-Oval (80 x 110)
SQUEEGEE	82 cm / 32.3 "	65-Shore	SP5000 | SPiQ-Oval (80 x 110)
SQUEEGEE	82 cm / 32.3 "	75-Shore	SP5000 | SPiQ-Oval (80 x 110)
SQUEEGEE	82 cm / 32.3 "	85-Shore	SP5000 | SPiQ-Oval (80 x 110)

SPYDER II

A GAME-CHANGER FOR SCREEN ROOMS

DESCRIPTION

The unit is perfectly suited for screen rooms that are looking to optimize their workflow by reducing labor, improving print quality, and speeding up job turnaround. This CTS Imaging System simplifies the screen making process by directly producing high-resolution opaque images onto coated screens, eliminating the need for traditional film. By utilizing advanced technology, this system streamlines the entire production process, resulting in increased efficiency and productivity.

One of the key advantages of this CTS Imaging System is its ability to eliminate common issues like 'pin-holes' and 'touching-in'. Unlike traditional methods, this system does not require a vacuum hold down or a glass surface on the exposure unit, ensuring a seamless and flawless screen production. This not only saves time and effort but also enhances the overall print quality.

Additionally, the inclusion of the MHM pin registration system as a standard feature further enhances the efficiency of this CTS Imaging System. With this innovative feature, setup times are significantly reduced as there is no longer a need to register the screens on-press. This not only saves valuable time but also minimizes the chances of errors during the setup process. In summary, the CTS Imaging System is a game-changer for screen rooms.

The unit is perfectly suited for screen rooms that are looking to optimize their workflow by reducing labor, improving print quality, and speeding up job turnaround.

RIP SPECIFICATIONS

RIP Type	RTI Harlequin RIP
Platforms	Available for PC and Mac
Screening	AM and FM (stochastic) screening available
Input File Formats	Postscript III, PDF, EPS, TIFF
RIP Options	Auto Trapping, Colour Management / Proofing, Hybrid Screening

NO FILM NECESSARY

Saving of material and time.

REDUCTION OF JOB PROCESSING TIME

Efficient and resource-saving method.

EASY AND QUICK HANDLING

Low training effort.

HIGH-RESOLUTION OPAQUE IMAGES

High quality results.

MHM 'PIN LOCK' SCREEN HOLDING SYSTEM

Considerable reduction of set-up times.

SPEZIFICATIONS (ALL MODELS)

Technology	Phase-change inkjet / Solid ink	
Accuracy screen to screen	0,0254 mm / 0.001 "	
Power requirements	120 V / 220 V 50 - 60 Hz 15 A	
Operating temperature	10 °C to 30 °C / 50 °F to 86 °F	
Operating humidity	35 % to 75 % non-condensing	
Ink type	Solid block / Water dispersable photo resist mask	
Resolution	**600 dpi**	**800 dpi**
Halftone Capability	75 lpi	85 lpi
Imaging speed	approx. 14 m²/min. / 2.5 sq ft/min	approx. 11 m²/min. / 2 sq ft/min

SPECIFICATIONS (PER MODEL)

	Spyder II DTS 30	Spyder II DTS 52
Max media size	76 cm x 101 cm / 30 x 40 "	140 cm x 122 cm / 55 x 48 "
Max image size	63,5 cm x 76 cm / 25 x 30 "	127 cm x 102 cm / 50 x 40 "
Luftdruck (minimum)	7 bar	7 bar
Dimensions	79 cm x 124 cm x 155 cm 32 " x 49 " x 61 "	79 cm x 203 cm x 155 cm 32 " x 80 " x 61 "
Weight	136 kg / 300 lbs	150 kg / 340 lbs

LET'S TALK ABOUT

PROCESSES

One of the key areas where notable improvements have been made is in the automation of various screen printing tasks. Traditionally, screen printing involved a significant amount of manual labor, which often resulted in longer production times and increased chances of errors. However, with the advent of advanced machinery and technology, many of these tasks can now be automated, leading to faster and more accurate printing processes.

Additionally, there have been significant advancements in the development of specialized software and digital tools that streamline the entire workflow in the screen printing sector. These tools enable businesses to manage orders, track inventory, and collaborate with clients more efficiently. By digitizing and automating these processes, businesses can save valuable time and resources, allowing them to focus on other aspects of their operations.

Furthermore, the introduction of new materials and inks has revolutionized the screen printing industry. Innovations in ink formulations have led to improved colour vibrancy, durability, and versatility. This allows businesses to offer a wider range of high-quality products to their customers, thereby increasing their market competitiveness and profitability.

ESSENTIALS

When it comes to screen printers, there are several essential investments that can greatly enhance the efficiency and quality of their work. These investments not only contribute to the overall success of the printing business but also ensure that screen printers can deliver exceptional results to their clients. Let's explore some of the key investments that every screen printer should consider.

One of the first investments that screen printers should consider is a high-quality screen printing press. This is the cornerstone of any screen printing operation, as it allows for precise and consistent printing on a variety of materials. A good screen printing press will have features such as adjustable platens, micro-registration, and a sturdy construction to ensure durability and accuracy.

Another important investment for screen printers is a quality exposure unit. This is used to transfer the image onto the screen by exposing it to light. A well-designed exposure unit will have features such as adjustable exposure times, uniform light distribution, and a vacuum system to ensure proper contact between the screen and the artwork. This investment is crucial for achieving sharp and detailed prints.

In addition to the press and exposure unit, screen printers should also consider investing in a reliable drying system. Proper drying is essential for ensuring that the prints are cured and ready for use. competitiveness and profitability.

AUTOMATION

Automation plays a pivotal role in the modern business landscape, and its importance cannot be overstated. In order to stay ahead in today's highly competitive market, it is imperative to embrace and integrate automated workflows into your shop. By doing so, you can unlock a multitude of benefits that will undoubtedly propel your business to new heights.

One of the most significant advantages of automation is the substantial enhancement it brings to productivity. With automated processes in place, tasks that once required manual intervention can now be completed swiftly and efficiently. This not only saves valuable time but also allows your team to focus on more strategic and value-added activities.

In addition to boosting productivity, automation also has a profound impact on labor costs. By reducing the need for manual labor, you can significantly cut down on expenses associated with hiring and training employees. This cost-saving measure can free up financial resources that can be reinvested in other areas of your business, fueling further growth and expansion.

Furthermore, automation minimizes the risk of errors that are inherent in manual processes. Computers and machines are inherently more accurate and less prone to mistakes compared to humans. By automating repetitive tasks, you can eliminate the possibility of human error, ensuring consistent and high-quality outputs every time.

COMPUTER-TO-SCREEN

Computer-to-screen (CTS) imaging devices digitally image the screen for exposure, providing a multitude of advantages. Firstly, this advanced technology allows for enhanced precision and accuracy in capturing the screen's content. With the ability to capture every intricate detail and pixel, CTS imaging devices ensure that the resulting digital image is a faithful representation of the original screen. This level of accuracy is particularly beneficial in industries where precise colour matching and image reproduction are crucial, such as graphic design and printing.

Furthermore, CTS imaging devices offer significant time-saving benefits. By eliminating the need for traditional film-based methods, which require manual processing and development, CTS devices streamline the imaging process. This not only reduces production time but also minimizes the risk of errors and inconsistencies that can occur during manual processing.

MARKETING

Utilizing pay-per-click and social media ads, content creation, search engine optimization, and email marketing, among other effective marketing methods, are all valuable strategies that can be employed to successfully market your shop online and attract new leads. In today's rapidly evolving digital landscape, it is crucial for screen-printing businesses to stay ahead of their competition by embracing the popular marketing trends of 2023. Our experienced team delves into the intricacies of these trends, providing in-depth insights and practical advice on how to leverage them to your advantage. By staying abreast of the latest marketing techniques and implementing them effectively, you can position your business for long-term success in the highly competitive online marketplace.

In the ever-changing world of online marketing, it is essential to continually adapt and evolve your strategies to keep up with the latest trends. Pay-per-click advertising allows you to target specific audiences and drive traffic to your website, while social media ads can help you reach a wider audience and generate brand awareness. Content creation plays a crucial role in engaging your target market and establishing your expertise in the industry. By regularly producing high-quality and relevant content, you can attract and retain customers.

08

MHM
PERFECTION IN SCREENPRINTING

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