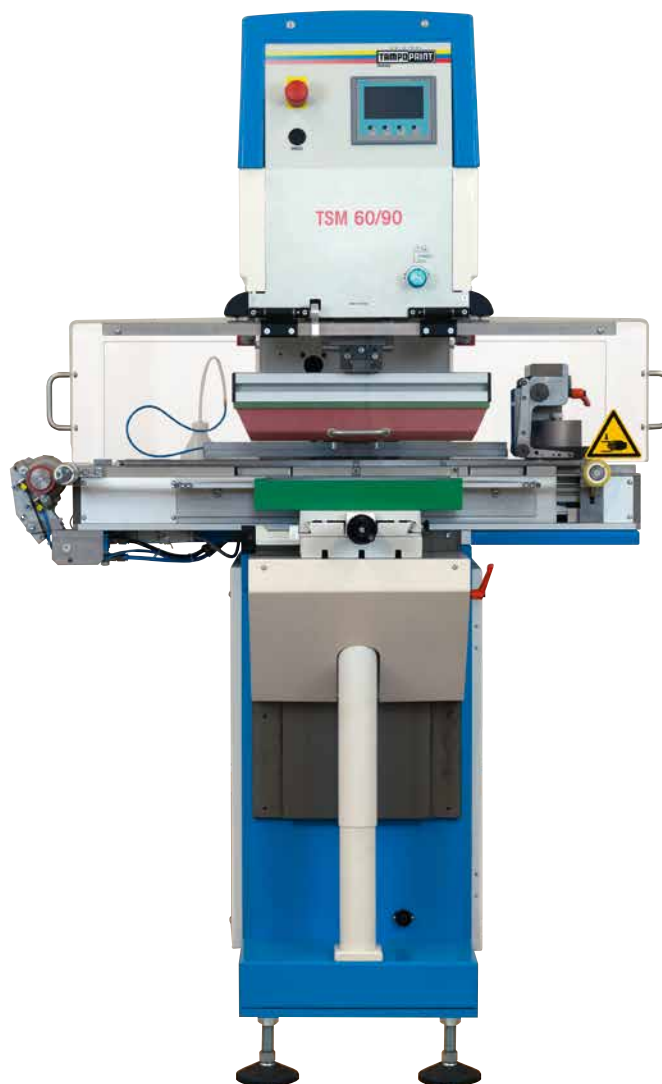


TSM Pad Printing Machine



PAD PRINTING MACHINES ACCESSORIES SERVICE

The flexible series pad printing machine
Ideal for the change from open systems, TTG/TSG and TSQ
Stand-alone workplace with option for semi-automation

Standard Pad Printing Machines

TSM Series

Now it is the customer's choice to select one of two typographic units. The basic machine **TSM** always remains the same with the kit being freely selectable and perfectly in line with the requirements of the printing unit, print image as well as production output. Each printing unit as well as pad lift and carriage movement can be provided as a pneumatic or servomechanical drive kit.

TSM – universal transverse doctor blade kit for print motifs up to a length of 520 or 650 mm and a print image up to 80 or 130 mm wide. The special feature here is that it is able to handle extremely large or very long print images on one and the same printing unit in just one printing pass. It is ideally suited for long printing parts that require a lot of print.

TSM – universal multiple color kit Solo provides up to 5 color units in doctoring cup sizes 60 mm and 2–4 color units in doctoring cup sizes Ø 90 mm. Even serially arranged motifs are possible. This enables individual motif changes (printing plate exchange) or color changes and adjustment via precision table. A big advantage: You can insert all "do-it-yourself" printing cliché types such as e.g. the INTAGLIO laser clichés and also the environmentally friendly plastic cliché plates that can be rinsed off with water.

Versions with servomechanical drive are characterized by a very high number of cycles and a very high force of pressure. Energy-efficient cinematics in doctor or pad movement and a resource-saving machine frame construction round off the successful machine concept.



TSM 60/90
universal transverse doctor kit



TSM 60/90
universal multiple color kit Solo



TSM 130
universal transverse doctor kit

TSM Series

Focus on large surfaces



With pad printing
it becomes operable

Standard Pad Printing Machines

TSM Series

TSM 60/90 universal multiple color kit Solo
with ink residue pick-up system (option)



TSM 60/90 universal transverse doctor kit
with ink residue pick-up system (option)



TSM 60/90 universal multiple color kit Solo
4-color printing



TSM 60/90 universal transverse doctor kit
1-color printing

Standard Pad Printing Machines

TSM Series

TSM 130 universal transverse doctor kit
with ink residue pick-up system (option)



TSM 130 universal transverse doctor kit
1-color printing



Scope of supplies

- Toolkit
- Paper cups
- Brush
- Spray bottle
- Assembly table
- Gripping tongs
- Ink/doctoring cup
- Thrust collar
- Pad coupling
- Printing pad
- Foot switch
- Documentation

Accessories & Options

- Ink residue pick-up system
- Steel base frame
- x-y cross support
- Pad displacement
- Transfer systems
- Base frame with and without angle table
- Light curtain

Technology

TSM Series

| TSM | | TSM 60/90 universal multiple color kit Solo |
|--|------------|--|
| Basic machine | Item No. | 25 63 00 |
| Machine version: Printing carriage forward/backward Pressure tappet up/down | | pneumatic/pneumatic |
| Ink distributing unit Solo | | 2x Ø 60 – 2 colors – 5" 3x Ø 60 – 3 colors – 5" 4x Ø 60 – 4 colors – 5" 5x Ø 60 – 5 colors – 5" 2x Ø 90 – 2 colors – 6,25" 3x Ø 90 – 3 colors – 6,25" 4x Ø 90 – 4 colors – 6,25" |
| Ink residue pick-up system | | option |
| Single cycle | | yes |
| Multiple printing | | yes |
| Piece counter | | yes |
| Variable speed control | | yes |
| Cycles/hour: continuous run single printing (Start/Stop mode) double printing (Start/Stop mode) triple printing (Start/Stop mode) | max. | 200–1300 1300 650 430 |
| Ink/doctoring cup size | Ø mm | max. 5x 60 / 4x 90 |
| Variable doctoring contact pressure | | yes |
| Cliché size, version Solo (Depth x Width) | mm | 5x 140 x 70 / 4x 215 x 100 |
| Print image size, version Solo | Ø mm | 5x 55 / 4x 85 |
| Variable pad stroke onto workpiece | mm | 10–70 |
| Variable pad stroke onto cliché | mm | 10–130 |
| Pad installation height, version Solo | mm | 87 / 98 |
| Force of pressure, machine (with 6 bar) max. | N | 3000 |
| Drive | | electropneumatic |
| Connected load | kW | 0,5 |
| Power supply (special voltage possible) | V/phase | 230V/1/N/PE |
| Interface | | D-SUB 37-pole |
| Power frequency | Hz | 50/60 |
| Control | | PLC |
| Control voltage | V/DC | 24 |
| Prefuse | A | 16 |
| Pneumatic supply fine filter 5 µm | bar | 6 |
| Air consumption | NL | 17 |
| Width | mm | 710–1145 (depending on version) |
| Depth | mm | 1140 |
| Height | mm | 910 without stand / 1710 with stand |
| Weight | approx. kg | 400–1050 (depending on version) |

Technology

TSM Series

| TSM | | TSM 60/90 universal multiple color kit Solo |
|--|------------|--|
| Basic machine | Item No. | 25 63 00 |
| Machine version: Printing carriage forward/backward Pressure tappet up/down | | servo/servo |
| Ink distributing unit Solo | | 2x Ø 60 – 2 colors – 5" 3x Ø 60 – 3 colors – 5" 4x Ø 60 – 4 colors – 5" 5x Ø 60 – 5 colors – 5" 2x Ø 90 – 2 colors – 6,25" 3x Ø 90 – 3 colors – 6,25" 4x Ø 90 – 4 colors – 6,25" |
| Ink residue pick-up system | | option |
| Single cycle | | yes |
| Multiple printing | | yes |
| Piece counter | | yes |
| Variable speed control | | yes |
| Cycles/hour: continuous run single printing (Start/Stop mode) double printing (Start/Stop mode) triple printing (Start/Stop mode) | max. | 200–1.300 1.300 650 430 |
| Ink/doctoring cup size | Ø mm | max. 5x 60 / 4x 90 |
| Variable doctoring contact pressure | | yes |
| Cliché size, version Solo (Depth x Width) | mm | 5x 140 x 70 / 4x 215 x 100 |
| Print image size, version Solo | Ø mm | 5x 55 / 4x 85 |
| Variable pad stroke onto workpiece | mm | 10–80 |
| Variable pad stroke onto cliché | mm | 10–120 |
| Pad installation height, version Solo | mm | 87 / 98 |
| Force of pressure, machine (with 6 bar) max. | N | 3500 |
| Drive | | servo mechanical |
| Connected load | kW | 16 |
| Power supply (special voltage possible) | V/phase | 400V/3/N/PE |
| Interface | | D-SUB 37-pole |
| Power frequency | Hz | 50/60 |
| Control | | PLC |
| Control voltage | V/DC | 24 |
| Prefuse | A | 16 |
| Pneumatic supply fine filter 5 µm | bar | 6 |
| Air consumption | NL | 5 |
| Width | mm | 710–1145 (depending on version) |
| Depth | mm | 1140 |
| Height | mm | 910 without stand / 1710 with stand |
| Weight | approx. kg | 400–1050 (depending on version) |

Technology

TSM Series

| | | |
|--|------------|--|
| TSM | | TSM 60/90 universal transverse doctor kit |
| Basic machine | Item No. | 25 63 00 |
| Machine version: Printing carriage forward/backward Pressure tappet up/down | | pneumatic/pneumatic |
| Ink distributing unit transverse doctor blade | mm | Ø 60 – 1-colored Ø 90 – 1-colored Ø 90 – 2-colored |
| Ink residue pick-up system | | option |
| Single cycle | | yes |
| Multiple printing | | yes |
| Piece counter | | yes |
| Variable speed control | | yes |
| Cycles / hour: continuous run single printing (Start/Stop mode) double printing (Start/Stop mode) triple printing (Start/Stop mode) | max. | 200–1000 1000 420 310 |
| Ink/doctoring cup size | Ø mm | 42/60/90 |
| Variable doctoring contact pressure | | yes |
| Cliché size, version transverse doctor blade (Depth x Length) | mm | 70 x 350/510/710 // 100 x 440/600/800 |
| Cliché size, version transverse doctor blade – 2C (Depth x Length) | mm | 2x 100 x 380 |
| Print image size, version transverse doctor blade (Depth x Length max.) | mm | 50 x 180/340/450 // 80 x 160/320/520 |
| Print image size, version transverse doctor blade – 2C (Depth x Length max.) | mm | 2x 80 x 190 |
| Variable pad stroke onto workpiece | mm | 10–70 |
| Variable pad stroke onto cliché | mm | 10–130 |
| Pad installation height, version transverse doctor blade | mm | 150 |
| Pad installation height, version transverse doctor blade – 2C | mm | 110 |
| Force of pressure machine (with 6 bar) max. | N | 3000 |
| Drive | | electropneumatic |
| Connected load | kW | 0,5 |
| Power supply (special voltage possible) | V/phase | 230V–1N/PE |
| Interface | | D-SUB 37-pole |
| Power frequency | Hz | 50/60 |
| Control | | PLC |
| Control voltage | V/DC | 24 |
| Prefuse | A | 16 |
| Pneumatic supply fine filter 5 µm | bar | 6 |
| Air consumption | NL | 17 |
| Width | mm | 710–1145 (depending on version) |
| Depth | mm | 1140 |
| Height | mm | 910 without stand / 1.710 with stand |
| Weight | approx. kg | 400–1050 (depending on version) |

Technology

TSM Series

| TSM | | TSM 60/90 universal transverse doctor kit |
|--|------------|--|
| Basic machine | Item No. | 25 63 00 |
| Machine version: Printing carriage forward/backward Pressure tappet up/down | | servo/servo |
| Ink distributing unit transverse doctor blade | mm | Ø 60 – 1-colored Ø 90 – 1-colored Ø 90 – 2-colored |
| Ink residue pick-up system | | option |
| Single cycle | | yes |
| Multiple printing | | yes |
| Piece counter | | yes |
| Variable speed control | | yes |
| Cycles / hour: continuous run single printing (Start/Stop mode) double printing (Start/Stop mode) triple printing (Start/Stop mode) | max. | 200–1100 1100 450 330 |
| Ink/doctoring cup size | Ø mm | 42/60/90 |
| Variable doctoring contact pressure | | yes |
| Cliché size, version transverse doctor blade (Depth x Length) | mm | 70 x 350/510/710 // 100 x 440/600/800 |
| Cliché size, version transverse doctor blade – 2C (Depth x Length) | mm | 2x 100 x 380 |
| Print image size, version transverse doctor blade (Depth x Length max.) | mm | 50 x 180/340/450 // 80 x 160/320/520 |
| Print image size, version transverse doctor blade – 2C (Depth x Length max.) | mm | 2x 80 x 190 |
| Variable pad stroke onto workpiece | mm | 10–80 |
| Variable pad stroke onto cliché | mm | 10–120 |
| Pad installation height, version transverse doctor blade | mm | 150 |
| Pad installation height, version transverse doctor blade – 2C | mm | 110 |
| Force of pressure machine (with 6 bar) max. | N | 3500 |
| Drive | | servo mechanical |
| Connected load | kW | 16 |
| Power supply (special voltage possible) | V/phase | 400V/3/N/PE |
| Interface | | D-SUB 37-pole |
| Power frequency | Hz | 50/60 |
| Control | | PLC |
| Control voltage | V/DC | 24 |
| Prefuse | A | 16 |
| Pneumatic supply fine filter 5 µm | bar | 6 |
| Air consumption | NL | 5 |
| Width | mm | 710–1145 (depending on version) |
| Depth | mm | 1140 |
| Height | mm | 910 without stand / 1710 with stand |
| Weight | approx. kg | 400–1050 (depending on version) |

Technology

TSM Series

| TSM | | TSM 130 universal transverse doctor kit |
|---|------------|--|
| Basic machine | Item No. | 25 65 00 |
| Machine version: Printing carriage forward/backward Pressure tappet up/down | | servo/servo |
| Ink distributing unit transverse doctor blade | mm | Ø 130 – 1-colored Ø 140 ¹⁾ – 1-colored |
| Ink residue pick-up system | | option |
| Single cycle | | yes |
| Multiple printing | | yes |
| Piece counter | | yes |
| Variable speed control | | yes |
| Cycles / hour ²⁾ : continuous run single printing (Start/Stop mode) double printing (Start/Stop mode) triple printing (Start/Stop mode) | max. | 600–1300 950 540 380 |
| Ink/doctoring cup size | Ø mm | 130/140 ¹⁾ |
| Variable doctoring contact pressure | | yes |
| Cliché size, version transverse doctor blade (Depth x Length) | mm | 150 x 730/930 |
| Print image size, version transverse doctor blade (Depth x Length max.) | mm | 120 x 340/540/650 ³⁾ |
| Variable pad stroke onto workpiece | mm | 20–100 |
| Variable pad stroke onto cliché | mm | 20–160 |
| Pad installation height, version transverse doctor blade | mm | 200 |
| Force of pressure machine (with 6 bar) max. | N | 7500 |
| Drive | | servo mechanical |
| Connected load | kW | 6 |
| Power supply (special voltage possible) | V/phase | 400V/3/N/PE |
| Interface | | D-SUB 37-pole |
| Power frequency | Hz | 50/60 |
| Control | | PLC |
| Control voltage | V/DC | 24 |
| Prefuse | A | 32 |
| Pneumatic supply fine filter 5 µm | bar | 6 |
| Air consumption | NL | only for ink residue pick-up system |
| Width | mm | 1440 |
| Depth | mm | 1560 |
| Height | mm | 1140 without stand / 1920 with stand |
| Weight | approx. kg | 1060 |

1) option ink/doctoring cup Ø 140 mm

2) for print image length 540 mm

3) option print image length 650 mm for park position right

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Technical Data
tampo.link/tsm

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