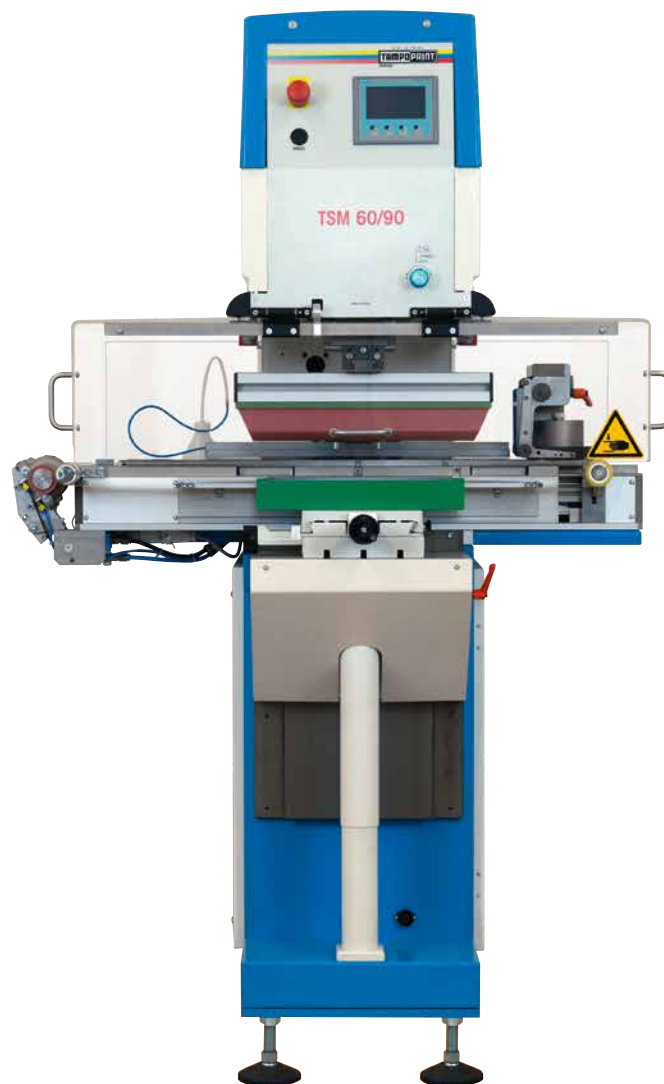


## TSM Pad Printing Machine



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  $\varnothing$  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

<b>TSM</b>		<b>TSM 60/90 universal transverse doctor kit</b>
Basic machine	Item No.	25 63 00
Machine version: Printing carriage forward/backward Pressure tappet up/down		pneumatic/pneumatic
Ink distributing unit <b>transverse doctor blade</b>	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 <b>transverse doctor blade</b> (Depth x Length)	mm	70 x 350/510/710 // 100 x 440/600/800
Cliché size, version <b>transverse doctor blade – 2C</b> (Depth x Length)	mm	2x 100 x 380
Print image size, version <b>transverse doctor blade</b> (Depth x Length max.)	mm	50 x 180/340/450 // 80 x 160/320/520
Print image size, version <b>transverse doctor blade – 2C</b> (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, <b>version transverse doctor blade</b>	mm	150
Pad installation height, <b>version transverse doctor blade – 2C</b>	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 <b>transverse doctor blade</b>	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 <b>transverse doctor blade</b> (Depth x Length)	mm	70 x 350/510/710 // 100 x 440/600/800
Cliché size, version <b>transverse doctor blade – 2C</b> (Depth x Length)	mm	2x 100 x 380
Print image size, version <b>transverse doctor blade</b> (Depth x Length max.)	mm	50 x 180/340/450 // 80 x 160/320/520
Print image size, version <b>transverse doctor blade – 2C</b> (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 <b>transverse doctor blade</b>	mm	150
Pad installation height, version <b>transverse doctor blade – 2C</b>	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 <b>transverse doctor blade</b>	mm	Ø 130 – 1-colored Ø 140 <sup>1)</sup> – 1-colored
Ink residue pick-up system		option
Single cycle		yes
Multiple printing		yes
Piece counter		yes
Variable speed control		yes
Cycles / hour <sup>2)</sup> : 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 <sup>1)</sup>
Variable doctoring contact pressure		yes
Cliché size, version <b>transverse doctor blade</b> (Depth x Length)	mm	150 x 730/930
Print image size, version <b>transverse doctor blade</b> (Depth x Length max.)	mm	120 x 340/540/650 <sup>3)</sup>
Variable pad stroke onto workpiece	mm	20–100
Variable pad stroke onto cliché	mm	20–160
Pad installation height, version <b>transverse doctor blade</b>	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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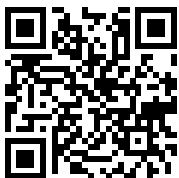
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Technical Data  
tampo.link/tsm

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04/2019