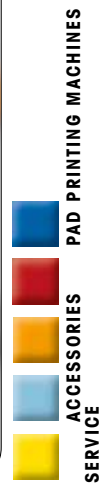
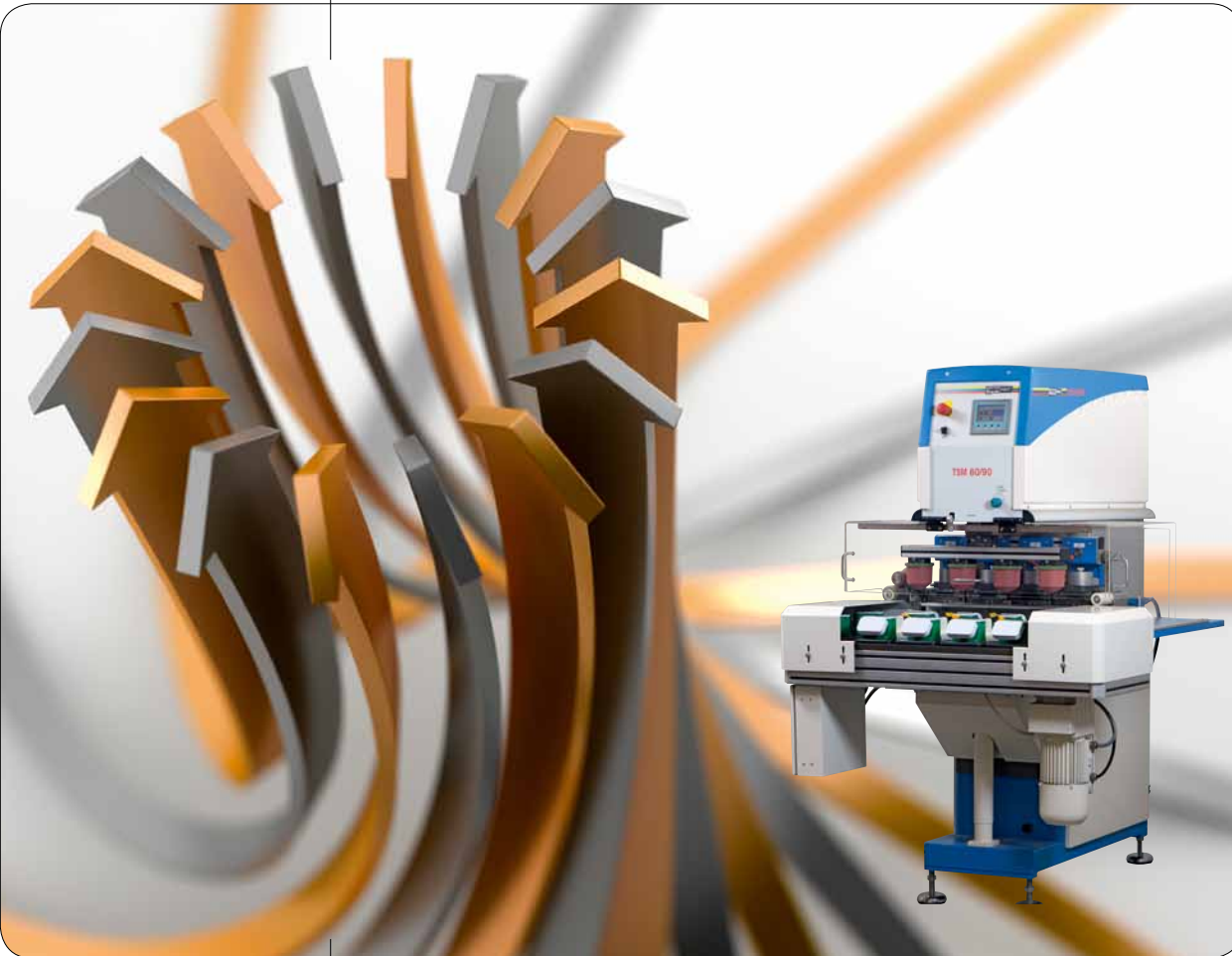


TSM

PAD PRINTING MACHINES



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



ORIGINAL

TAMPOPRINT®

Pad Printing Machines
ALFALAS® Laser Systems
Automations

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 colour kit Solo

provides up to 5 colour units in doctoring cup sizes 60 mm and 2–4 colour units in doctoring cup sizes Ø 90 mm. Even serially arranged motifs are possible. This enables individual motif changes (printing plate exchange) or colour 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 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.

THE COMBINATION



TSM 60/90 universal transverse doctor kit with “ink residue pick-up system”

TSM 130 universal transverse doctor kit with “ink residue pick-up system”

TSM 60/90 universal multiple colour kit Solo with “ink residue pick-up system”

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

TSM 60/90 universal multiple colour kit Solo ink distributing units



100%
Made in Germany
by TAMPOPRINT®



TSM 60/90
universal multiple colour kit Solo



TSM 60/90
universal transverse doctor kit



TSM 130
universal transverse doctor kit

TSM		TSM 60/90 universal multiple colour kit Solo	
Basic machine, Item No.		25 63 00	
Machine version			
Printing carriage forward / backward		pneumatic/pneumatic	
Pressure tappet up / down			
		2x Ø 60 – 2 colours – 5"	
		3x Ø 60 – 3 colours – 5"	
		4x Ø 60 – 4 colours – 5"	
		5x Ø 60 – 5 colours – 5"	
Ink distributing unit "Solo"		2x Ø 90 – 2 colours – 6,25"	
		3x Ø 90 – 3 colours – 6,25"	
		4x Ø 90 – 4 colours – 6,25"	
Ink residue pick-up system		option	
Single cycle		yes	
Multiple printing		yes	
Piece counter		yes	
Variable speed control		yes	
Cycles / hour		200–1.300	
continuous run			
single printing (Start/Stop mode)	max.	1.300	
double printing (Start/Stop mode)		650	
triple printing (Start/Stop mode)		430	
Ink/doctoring cup size	Ø mm	max. 5x 60 / 4x 90	
Variable doctoring contact pressure		yes	
Cliché size, version "Solo"		5x 140 x 70	
Depth x Width	mm	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	3.000	
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	710–1.145 (depending on version)	
Depth	mm	1.140	
Height	mm	910 without stand 1.710 with stand	
Weight	approx. kg	400–1.050 (depending on version)	

TSM		TSM 60/90 universal multiple colour kit Solo	
Basic machine, Item No.		25 63 00	
Machine version			
Printing carriage forward / backward		servo/servo	
Pressure tappet up / down			
		2x Ø 60 – 2 colours – 5"	
		3x Ø 60 – 3 colours – 5"	
		4x Ø 60 – 4 colours – 5"	
		5x Ø 60 – 5 colours – 5"	
Ink distributing unit "Solo"		2x Ø 90 – 2 colours – 6,25"	
		3x Ø 90 – 3 colours – 6,25"	
		4x Ø 90 – 4 colours – 6,25"	
Ink residue pick-up system		option	
Single cycle		yes	
Multiple printing		yes	
Piece counter		yes	
Variable speed control		yes	
Cycles / hour		200–1.300	
continuous run			
single printing (Start/Stop mode)	max.	1.300	
double printing (Start/Stop mode)		650	
triple printing (Start/Stop mode)		430	
Ink/doctoring cup size	Ø mm	max. 5x 60 / 4x 90	
Variable doctoring contact pressure		yes	
Cliché size, version "Solo"		5x 140 x 70	
Depth x Width	mm	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	3.500	
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	710–1.145 (depending on version)	
Depth	mm	1.140	
Height	mm	910 without stand 1.710 with stand	
Weight	approx. kg	400–1.050 (depending on version)	

TSM		TSM 60/90 universal transverse doctor kit	TSM 60/90 universal transverse doctor kit
Basic machine, Item No.		25 63 00	25 63 00
Machine version			
Printing carriage forward / backward		pneumatic/pneumatic	servo/servo
Pressure tappet up / down			
Ink distributing unit "transverse doctor blade"	mm	Ø 60 – 1-coloured Ø 90 – 1-coloured Ø 90 – 2-coloured	Ø 60 – 1-coloured Ø 90 – 1-coloured Ø 90 – 2-coloured
Ink residue pick-up system		option	option
Single cycle		yes	yes
Multiple printing		yes	yes
Piece counter		yes	yes
Variable speed control		yes	yes
Cycles / hour			
continuous run		200–1.000	200–1.100
single printing (Start/Stop mode)	max.	1.000	1.100
double printing (Start/Stop mode)		420	450
triple printing (Start/Stop mode)		310	330
Ink/doctoring cup size	Ø mm	42 / 60 / 90	42 / 60 / 90
Variable doctoring contact pressure		yes	yes
Cliché size, version "transverse doctor blade"	mm	70 x 350 / 510 / 710	70 x 350 / 510 / 710
Depth x Length		100 x 440 / 600 / 800	100 x 440 / 600 / 800
Cliché size, version "transverse doctor blade – 2C", Depth x Length	mm	2x 100 x 380	2x 100 x 380
Print image size, version "transverse doctor blade"	mm	50 x 180 / 340 / 450	50 x 180 / 340 / 450
Depth x Length max.		80 x 160 / 320 / 520	80 x 160 / 320 / 520
Print image size, version "transverse doctor blade – 2C", Depth x Length max.	mm	2x 80 x 190	2x 80 x 190
Variable pad stroke onto workpiece	mm	10–70	10–80
Variable pad stroke onto cliché	mm	10–130	10–120
Pad installation height, version "transverse doctor blade"	mm	150	150
Pad installation height, version "transverse doctor blade – 2C"	mm	110	110
Force of pressure machine (with 6 bar) max.	N	3.000	3.500
Drive		electropneumatic	servo mechanical
Connected load	kW	0,5	16
Power supply (special voltage possible)	V/phase	230V–1/N/PE	400V/3/N/PE
Interface		D-SUB 37-pole	D-SUB 37-pole
Power frequency	Hz	50 / 60	50 / 60
Control		PLC	PLC
Control voltage	V/DC	24	24
Prefuse	A	16	16
Pneumatic supply fine filter 5 µm	bar	6	6
Air consumption	NL	17	5
Width	mm	710–1.145 (depending on version)	710–1.145 (depending on version)
Depth	mm	1.140	1.140
Height	mm	910 without stand 1.710 with stand	910 without stand 1.710 with stand
Weight	approx. kg	400–1.050 (depending on version)	400–1.050 (depending on version)

TSM		TSM 130 universal transverse doctor kit
Basic machine, Item No.		25 65 00
Machine version		
Printing carriage forward / backward		servo/servo
Pressure tappet up / down		
Ink distributing unit "transverse doctor blade"	mm	Ø 130 – 1-coloured Ø 140 ¹⁾ – 1-coloured
Ink residue pick-up system		option
Single cycle		yes
Multiple printing		yes
Piece counter		yes
Variable speed control		yes
Cycles / hour ²⁾		
continuous run		600–1.300
single printing (Start/Stop mode)	max.	950
double printing (Start/Stop mode)		540
triple printing (Start/Stop mode)		380
Ink/doctoring cup size	Ø mm	130 / 140 ¹⁾
Variable doctoring contact pressure		yes
Cliché size, version "transverse doctor blade"	mm	150 x 730 / 930
Depth x Length		
Print image size, version "transverse doctor blade"	mm	120 x 340 / 540 / 650 ³⁾
Depth x Length max.		
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	7.500
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	1.440
Depth	mm	1.560
Height	mm	1.140 without stand 1.920 with stand
Weight	approx. kg	1.060

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

Scope of supplies

- Toolkit
- Paper cups
- Brush
- Spray bottle 500 ml
- 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 tables
- Pad displacement
- Transfer systems
- Base frame with and without angle table
- Light curtain

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