



TECMATOR INSTALLATION MACHINES



Tried-and-tested technology for fast and safe working.

The value of a movement system is a combination of many factors. In addition to the visual and functional characteristics, the focus is on durable and consistent quality and the possibility of efficient assembly. With this in mind, GRASS offers professional installation and assembly aids for all product families – individually designed to suit our customers' production technology.










ASSEMBLY TECHNOLOGY

Tecmator – the ideal machine for cabinet makers,
shop fitters and for small series production.



ASSEMBLY TECHNOLOGY

Installation and assembly aids. Tried-and-tested machinery for professional efficiency.

	Product description	Page
	<p>Tecmator COMBI</p> <ul style="list-style-type: none"> • 23-spindle vertical drilling gear, 90° swivel action • 19-spindle horizontal drilling gear • Machine base incl. drawer • Extensive range of accessories 	760
	<p>Tecmator FLEXI</p> <ul style="list-style-type: none"> • 22-spindle vertical drilling gear, 90° swivel action • 3-spindle horizontal drilling gear • Extensive range of accessories • Very maintenance friendly 	764
	<p>Tecmator MULTI</p> <ul style="list-style-type: none"> • 14-spindle vertical drilling gear, 90° swivel action • 3-spindle horizontal drilling gear • Connections for plastic dust extraction • Extensive range of accessories 	768
	<p>Tecmator ECO V</p> <ul style="list-style-type: none"> • Different vertical drilling gears available • Pneumatic hold-down blocks • Connection for plastic dust extraction • Extensive range of accessories 	772
	<p>Tecmator ECO P</p> <ul style="list-style-type: none"> • 5-spindle vertical drilling gear • Pneumatic hold-down blocks • Connection for plastic dust extraction • Extensive range of accessories 	776
	<p>Tecmator ECO M</p> <ul style="list-style-type: none"> • 5-spindle vertical drilling gear • No compressed air required • Connection for plastic dust extraction • Extensive range of accessories 	780
	<p>Tecmator ZP-XP</p> <ul style="list-style-type: none"> • For all DWD XP drawer types • For large series production • Adjustment with pneumatic clamping • Very simple maintenance 	784

TECMATOR COMBI

Ideal for cabinet makers, shop fitters and for larger series production



- Drilling depth stop with scale
- Extendible vertical drilling gear
- Easy, logical handling = efficient operation
- Compact design, sturdy frame construction
- Easy to service

Standard specification

- Work table 2000 x 650
- Machine stand with drawer
- Connection for dust extraction
- 23-spindle vertical drilling gear including quick-change drill chuck, 90° swivel action
- 19-spindle horizontal drilling gear including quick-change drill chuck
- Side stops, left (2x)/right (2x)
- Hold-down block for insertion die arm
- Scale extensions for left- and right-hand use (4x)
- Stop set tool - 600 mm with 4 stop rings
- Stop set tool - 2000 mm with 5 stop rings
- Stop pins for stop bar (12x)
- Marking gauge/stop set/tool set/operating instructions
- 2nd and 3rd fence/stop system with 2 side stops each

ORDER INFORMATION

Designation	Voltage	Frequency	Item No.
Tecmator Combi with drilling distance 45 ¹	3 x 400 V	50 Hz	F146077960

¹ Other types on request

ADVANTAGES

Optimal holding thanks to pneumatic hold-down block



Kinvaro flap systems	46
Hinge systems	81

Easy and accurate working with digital dimension display for Y-axis



Cabinet making accessories	379
Drawer systems	399

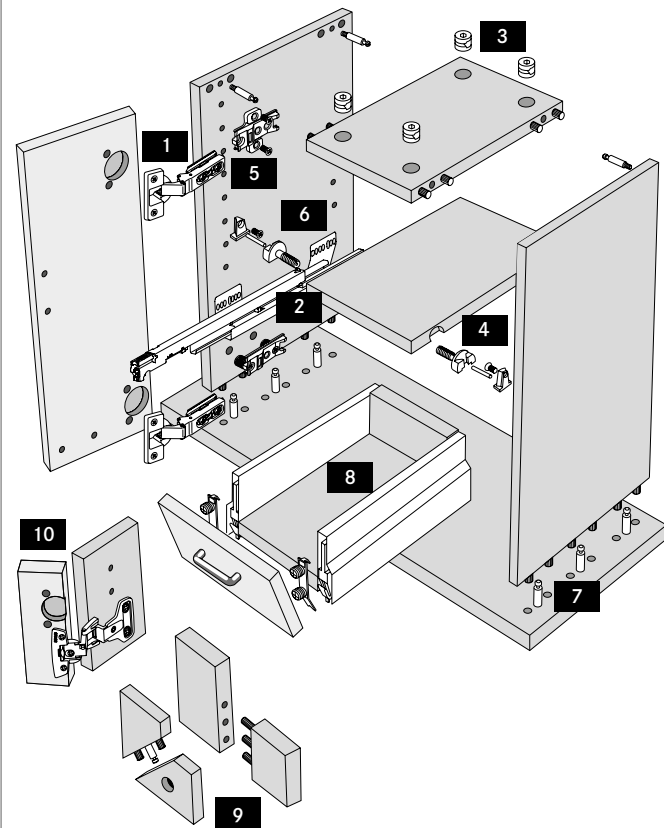
Vertical drilling gear 23-spindle, horizontal drilling gear 19-spindle, both in 32 mm grid



Slide systems	635
Roller systems	701

APPLICATIONS

One machine for 10 applications



- 1 Furniture hinges: drilling cup holes, press fitting hinges. Can be used for the complete furniture hinge system
- 2 Mounting plates with dowels: drilling and press fitting
- 3 Furniture connectors: horizontal, vertical and face drilling
- 4 Shelf support fittings: face drilling
- 5 Rows of holes: at 32 mm centres, maximum 19 holes.
- 6 Cabinet rails: drilling
- 7 Rows of dowels: drilling
- 8 Drawers + pull-outs: drilling front and back walls (all GRASS slide systems)
- 9 Frame connections - 90° mitre joints:
 - With dowel and eccentric connector
 - Door rebates and decorative profiles with long 16 mm dowels
 - Door frame connections with long 16 mm dowels
- 10 Exposed furniture hinges: drilling cup holes, press fitting hinges

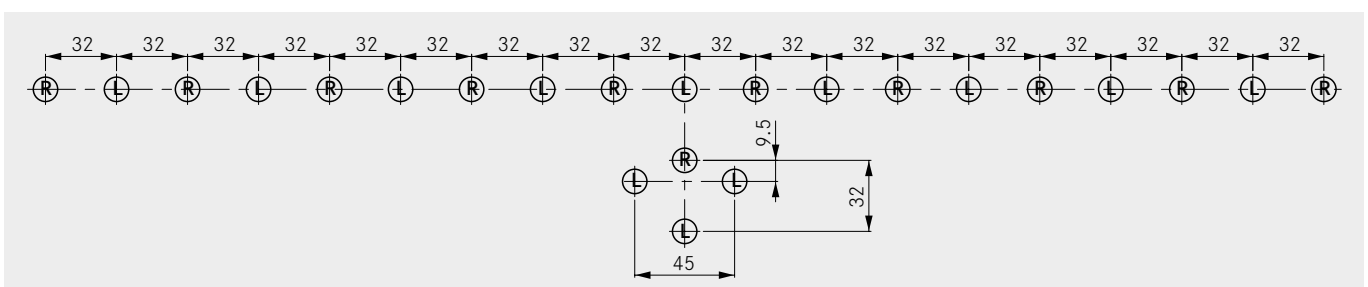
TECHNICAL DATA

Connections	
Electrical	1.1 kW
Pneumatic	6 bar dry
Dust extraction	2 x Ø 100 mm

Dimensions	
Width	2.00 m
Depth	1.37 m
Height	1.76 m

Weight	
with stand	380 kg

DRILLING PATTERN




TECMATOR COMBI

Accessories

DRILL BITS WITH SHANK Ø 10













	Length of drill bit	Ø of drill bit	Left (red)	Right (black)
	50	2.7	F146090887	F146093569
	57	3	F146038135	F146038136
		5	F146035809	F146035810
		6	F146091572	F146091573
		8	F146035811	F146035812
		10	F146035813	F146035814
		15	F146038178	F146037350
		18	-	F146090928
		20	F146090937	F146090938
		22	-	F146090927
		25	-	F146091070
		26	-	F146094554
30	-	F146090926		
35	F146093091	F146035818		
35.2	-	F146091661		
40	-	F146093093		
	57	8	F146090660	F146090661
		10	F146090662	F146090663
	75	6	F146091762	F146091763
		8	F146038313	F146037351
		10	F146089586	F146038869
	75	6/15	-	F146038369
		8/19	F146090929	F146033402
	100	16	F146030269	F146030270

INSERTION DIES

	Designation	Item No.
	Nexis 110°	F146095561
	Nexis uni 110°+170°	F146095563
	Mounting plate Nexis/linear plate H0+H3	F146095564
	Front holder DWD XP	F146109858
	Front hook Nova Pro H90	F146092514
	Tiomos 110°	F146101310
	Mounting plate Tiomos/linear plate	F146101312

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ACCESSORIES

	Designation	Item No.
	Stop pins (12x) ¹	F146089748
	Stops for 2nd stop system, left (2x) ¹	F146093314
	Stops for 2nd stop system, right (2x) ¹	F146094292
	Quick-change drill chuck (42x) ¹	F146093200
	Detaching tool for quick-change drill chuck (1x) ¹	F146091094
	Hold-down block (1x) ¹	F146094342
	Pendulum stop for back wall drilling	F146094339
	Revolver stop, triple stop	F146093384
	Zero point wooden block (1x) ¹	F146094486
	Marking gauge (1x) ¹	F146038207
	Table insert plates (2x) ¹	F146093300
	Scale extensions type 1, 360 - 1360 (4x) ¹	F146094204
	Scale extension type 2, 1360 - 2360	F146037536
	Stop set tool, length 600, 4 stop rings (1x) ¹	F146093316
	Stop set tool, length 2000, 5 stop rings (1x) ¹	F146093315
	Stop set (1x) ¹	F146000619

¹ Included in the standard specification