

minimax me 28t RC

Edge banding machines with joining unit

- ▶ Sturdy grey cast steel construction with high rigidity for lasting precision
- ▶ Combi milling unit with carbide milling cutters and chrome-plated tracing shoes for optimum milling results when flush and radius milling
- ▶ Convenient operation via ergonomic control panel on the front of the machine
- ▶ Particularly short set-up times
- ▶ Large support surface thanks to extendable workpiece support
- ▶ Pre-milling unit with end milling cutter Ø 80 mm, height 56 mm
- ▶ Precise feed of the workpiece via feed belt at the bottom and double rubber pressure rollers at the top, for high traction and to prevent scratches on the workpiece surface
- ▶ Quickly ready for operation, low space requirement, low energy requirement
- ▶ Electronic temperature control with standby function at 150°C, which prevents the glue from boiling over and enables rapid reheating to operating temperature.
- ▶ 5 heating elements ensure even glue heating
- ▶ Absolute edge banding quality thanks to automatic positioning of all work units synchronised with the position of the pressure bridge and matched to the thickness of the panel
- ▶ Simple adjustment of the panel thickness via a numerical display
- ▶ Glue container made of aluminium with non-stick coating

- › Joining
- › Gluing
- › Pre-capping
- › Capping-off saw unit
- › Radius flush milling
- › Radius scraper
- › Surface scraper
- minimax me 28 t er:
- › Capping-off unit with corner rounding function

WITH CORNER ROUNDS



Model	minimax me 28t RC	minimax me 28 t er	Glue basin	minimax me 28t RC	minimax me 28 t er
Article No.	5507028	5507031	Working temperature	20 - 190°C	
Technical data	Table dimensions (L x W) max. approx.		Suction nozzle Ø	60 mm	
	Worktable height		Motor power S1	180 watts	
	Workpiece thickness min./max.		Filling quantity	0.8 kg	
	Edge thickness of rolled goods		Pre-milling unit		
	Edge thickness of strip material max.		Input power	2.2 kW	
	Workpiece length/width min.		Milling unit speed	9000 min ⁻¹	
	Length of the plate min.		Diamond cutter Ø	80 mm / Z2	
	(if only capped at the front)		Capping-off unit		
	Feed motor power S1		Motor power	0.37 kW	
	Feed speed		Saw blade Ø	90 mm Z20	
	Required air pressure		Saw blade speed	12000 min ⁻¹	
	Roller edge turntable Ø		Flush radius milling unit		
	Suction nozzle Ø		Motor power (S1)	0.75 kW	
			Cutter Ø carbide	75 mm Z4	
			Milling cutter speed	9000 min ⁻¹	

Edge banding machines

MADE IN ITALY

minimax me 35

Edge banding machine for plastic edges from 0.4 - 3 mm, solid wood edges up to 5 mm* and workpieces from 8 - 50 mm

- ▶ Top equipment for high productivity in a small space!
- ▶ Intuitive operation with the eye-S control unit and 10" touchscreen:
 - Graphic display of all processing units and their operating status
 - Graphical simulation of the machining operations
 - Control of all processing units (optional)
 - Regulating the temperature of the glue pot
 - Assistance functions for setting up the machine according to the processing programme
 - Fault diagnosis for quick rectification of simple faults
 - Statistics on processing parameters
 - USB port
 - Preparation for network connection
 - Preparation for Industry 4.0 with API REST data transfer protocol
- ▶ Excellent accessibility to the working units thanks to the large bonnet, which ensures protection and noise reduction
- ▶ Automatic unit positioning when changing the panel thickness
- ▶ Pull-out workpiece support
- ▶ Adjustment of the inlet guide via spacer plates



PLATE TRANSPORT
THROUGH FEED CHAIN



minimax me 35tr s

me 35tr s with
CORNER COPYING UNIT



Model	minimax me 35 t
Article No.	5507234

Model	minimax me 35t s
Article No.	5507235

Model	minimax me 35 tr s*
Article No.	5507236

Model	minimax me 35 tr s a
Article No.	5507237

Technical data

Workpiece

Workpiece thickness	mm	8 - 50
Workpiece length min.	mm	190
Workpiece width min.	mm	110

Edge

Roll goods thickness	mm	0.4 - 3
Stripe material thickness	mm	Up to 5 - not for me 35 tr s

Feed

Input power	kW	0.55
speed	m/min	7

Pre-milling unit

Input power	kW	3
Milling cutter speed	min ⁻¹	7200
Cutter diameter	mm	80
Cutter height	mm	56
Material removal	mm	0.5/ 1 / 1.5 / 2
Suction port	mm	2 x Ø 80

Gluing unit

Input power	kW	0.25
Working temperature	°C	190
Suction port	mm	Ø 60

Scraper units

Radius scraper	mm	2
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Corner copying unit (minimax me 35tr s only)

Input power	kW	0.35
Tool diameter	mm	58
Speed	min ⁻¹	12000

Equipment:	me 35t	me 35t s	me 35tr s*	me 35tr s a
Roller edge turntable Ø	730 mm			
Edge magazine		✓		
Non-stick spray unit		✓	✓	✓
Pre-milling unit	Two end milling cutters			
Edge preheating device		Heating plate	Ceramic infrared lamp	
Gluing unit	✓	✓	✓	✓
Chopping knife				✓
Glue container quick-change kit	✓	✓	✓	✓
Saw cutting unit with corner rounding	✓	✓		
Corner copying unit			✓	✓
Flush radius milling unit	✓	✓	✓ Can be switched off	
			manual	Electropneumatic
Radius scraper unit			Unit with numerical position indicator	
			✓ Can be switched off	
			manual	Electropneumatic
Surface scraper unit	✓	✓	✓ Can be switched off	
			manual	Electropneumatic
Buffing unit		✓	✓	✓

Technical data

Flush radius milling unit

Input power	kW	2 x 0.35
Cutter diameter	mm	55.3
Milling cutter tooth pitch		Z3
Milling cutter speed	min ⁻¹	12000
Suction port	mm	2 x Ø 60

Buffing unit

Input power	kW	2 x 0.14
Speed	min ⁻¹	2800

Pneumatic connection

Operating pressure	bar	6.5
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Dimensions and weights

Dimensions (L x W x H) approx.	mm	3314 x 1085 x 1300
Weight approx.	kg	623

minimax me 40

Edge banding machine for plastic edges from 0.4 - 3 mm, solid wood edges up to 5 mm and workpieces from 8 - 50 mm

- ▶ Top equipment for high productivity in a small space!
- ▶ Intuitive operation with the eye-S control unit and 10" touchscreen
- ▶ Graphic display of all processing units and their operating status
- ▶ Graphical simulation of the machining operations
- ▶ Control of all processing units (optional)
- ▶ Regulating the temperature of the glue pot
- ▶ Assistance functions for setting up the machine according to the processing programme
- ▶ Fault diagnosis for quick rectification of simple faults
- ▶ Statistics on processing parameters
- ▶ USB port
- ▶ Preparation for network connection
- ▶ Preparation for Industry 4.0 with API REST data transfer protocol
- ▶ Automatic unit positioning when changing the panel thickness
- ▶ Pull-out workpiece support
- ▶ Excellent accessibility to the working units thanks to the large bonnet, which ensures protection and noise reduction
- ▶ Infinitely adjustable infeed ruler enables material to be removed with 0.1 mm accuracy



minimax me 40t s

Model	minimax me 40t s
Article No.	5507240

Model	minimax me 40tr s
Article No.	5507241

Model	minimax me 40 tr s a
Article No.	5507242

Technical data

Workpiece		
Workpiece thickness	mm	8 – 50
Workpiece (L x W) min.	mm	120 x 110
Feed		
speed	m/min	9
Input power	kW	0.55
Edge		
Roll goods thickness	mm	0.4 – 3.0
Stripe goods thickness	mm	up to 5
Glue basin		
Input power	kW	0.25
Working temperature	°C	190
Filling quantity	kg	0.8
Suction nozzle ø	mm	60
Flush radius milling unit		
Input power	kW	2 x 0.35
Carbide cutter diameter	mm	55.3
Milling cutter tooth pitch		Z3
Suction port	mm	2 x Ø 60
Milling cutter speed	min ⁻¹	12000
Scraper units		
Radius scraper	mm	2
Corner copying unit (minimax me 40 tr s only)		
Input power	kW	0.35
Tool diameter	mm	58
Speed	min ⁻¹	12000
Pre-milling unit		
Diamond cutter diameter	mm	80
Diamond milling cutter tooth pitch		Z2
Cutter height	mm	56
Material removal	mm	0 – 2
Dimensions and weights		
Dimensions (L x W x H) approx.	mm	3774 x 1545 x 1337
Weight approx.	kg	842

me 40 tr s with
CORNER COPYING UNIT



Equipment:	me 40t s	me 40tr s	me 40tr s a
Roller edge turntable Ø	730 mm		
Edge magazine	✓	✓	✓
Non-stick spray unit	✓	✓	✓
Pre-milling unit	Two end milling cutters		
Edge preheating device	Heating plate	Ceramic infrared lamp	
Gluing unit	✓	✓	✓
Chopping knife			✓
Glue container quick-change kit	✓	✓	✓
Saw cutting unit with corner rounding	✓		
Corner copying unit		✓	✓
Flush radius milling unit	✓	✓ Can be switched off manual Electropneumatic	
Radius scraper unit		Unit with numerical position indicator ✓ Can be switched off manual Electropneumatic	
Surface scraper unit	✓	✓ Can be switched off manual Electropneumatic	
Cleaning spray unit	✓	✓	✓
Buffing unit	✓	✓	✓