

		Tegramin-30
Capacity	Individual specimens	Diameter: 6 x 50 mm
	Specimen holder	Diameter: 160 mm
Disc	Diameter	300 mm (12")
	Rotational speed	40 - 600 rpm, variable in steps of 10 rpm
	Rotational direction	Counter-clockwise
	Motor power	–
	- Continuous (S1)	750 W (1.0 hp)
	- Maximum (S3)	1125 W (1.5 hp)
	Specimen mover head	Individual specimen
	- Force	5 - 65 N in steps of 5 N
	- Specimen height	8 - 35 mm (0.31 - 1.37")
	Specimen holder	–
	- Force	30 - 400 N in steps of 10 N
	- Specimens height	12 - 31 mm (0.45 - 1.22")
	Rotational speed	50 - 150 rpm, variable in steps of 10
	Rotational direction	Clockwise / counter-clockwise
	Motor	160 W
	Torque	10.2 N·m (7.6 ft·lbf)
Features	Material removal sensor (built-in)	50 - 5000 µm in steps of 10 µm
	Methods Included	Struers Metalog Guide methods: 10 Custom made methods: max 200
Options	Automatic dosing, up to 7 pumps	Yes
	Transparent cover	Yes
	Safety cover	Yes
	Recirculation cooling system	Cooling System 3
Software and electronics	Controls	Touch pad, turn/push knob
	Display	LCD, TFT-color 5.7", 320 x 240 dots with LED back light
Safety standards		CE-labeled according to EU directives
REACH		For information about REACH, contact your local Struers office.

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Operating environment	Surrounding temperature	5 - 40°C (41 - 104°F)
	Humidity	35 - 85% RH non-condensing
Power supply	Voltage/frequency	200 - 240 V (50 - 60 Hz)
	Power, inlet	1-phase (N+L1+PE) or 2-phase (L1+L2+PE) The electrical installation must comply with Installation Category II
	Power, nominal load	1060 W
	Power, idle load	13 W
	Current, nominal load	5.3 A
	Current, maximum load	10.0 A
	Current, largest load	3.0 A
	Water supply	Pressure, tap water
Flow, tap water		Min. 1 L/min (0.3 gpm)
Water inlet, connection		Diameter: 3/4"
Water outlet, connection		Diameter: 40 mm (1 1/2")
Air supply	Pressure, compressed air	6 - 9.9 bar (87 - 143 psi)
	Flow, compressed air	Min. 3.5 L/min (0.9 gpm)
	Air quality, compressed air	The air supplied must be of Class 5.6.4. or better, as specified in ISO 8573-1
	Air inlet, compressed air, connection	Diameter: 6 mm (1/4")
Exhaust (with cover only)	Connection	Diameter: 50 mm (2")
	Recommended capacity	50 m ³ /h (1750 ft ³ /h) at 0 mm water gauge
Safety Circuit Categories/Performance Level	Emergency stop	Stop category 0, EN60204-1 PL c, Category 1, EN13849-1
	Cover	Software control only. Not safety rated.
	Safety cover	Stop category 0, EN60204-1 PL c, Category 1, EN13849-1
Residual Current Circuit Breaker (RCCB)		Type A, 30 mA (or better) is required
Noise level	A-weighted sound emission pressure level at workstations	LpA = 66 dB(A) (measured value). Uncertainty K = 4 dB(A) Measurements made in accordance with EN ISO 11202
Vibration level	Declared vibration emission	Total vibration exposure to upper parts of the body does not exceed 2.5 m/s ² .



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Dimensions and weight (without cover)	Height	56 cm (22")
	Width	67.5 cm (26.6")
	Depth	75 cm (29.5")
	Weight	90 kg (198 lb)
Dimensions and weight (with cover / safety cover)	Height - cover closed / cover open	58.2 cm (22.9") / 90 cm (35.4")
	Width	67.5 cm (26.6")
	Depth	75 cm (29.5")
	Weight	98 kg (216 lb)