

Turnado 230/1500 V is shown with 3-axis position indicator and infinitely variable speed

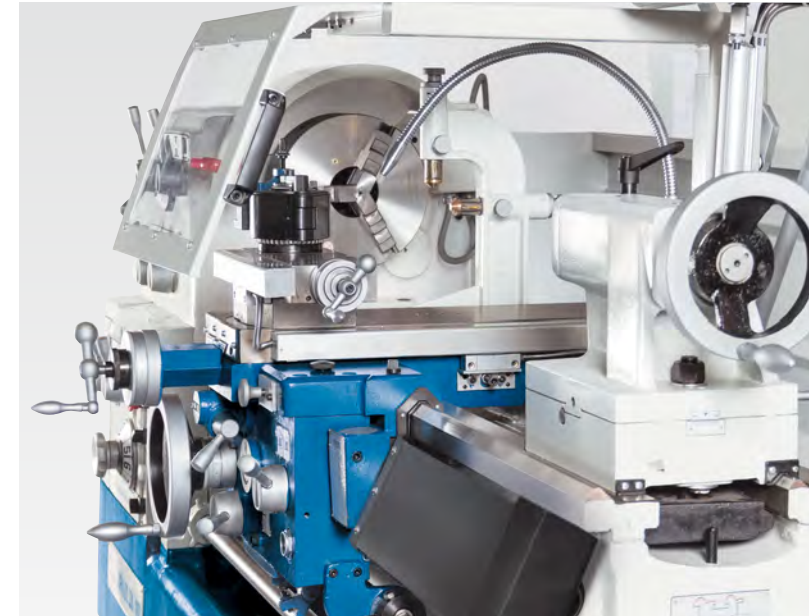
- Extensive standard equipment
- Includes 3-axis position indicator and stop spindle (fully assembled)

- cost-effective, lasting value
- practically arranged control panel with ergonomic layout of selection levers
- Camlock spindle mount D1-6 and D1-8
- wide bed, ground and hardened
- offset tailstock for taper turning
- large number of thread leads
- removable gap bridge for machining of large diameter
- stop spindle with adjustable travel stops



Constant cutting speed for flawless surfaces

- Turnado with infinitely variable speed adjustment
- back gearing, first-class control technology and a powerful headstock motor allow a wide range of speeds and high torque for powerful machining
- the extensive features of the X.Pos Position Indicator are complemented by a speed display and vconst (constant speed) function, during face turning, the spindle speed automatically adapts to the changing workpiece diameter – the constant cutting speed at the cutting edge of the turning tool ensures superior turning results with quality comparable to CNC lathes



Large steady and follow rests are included

Standard Equipment

3-axis position indicator, 3-jaw chuck Ø 250 mm (Turnado 230), 3-jaw chuck Ø 320 mm (Turnado 280), 4-jaw face plate chuck Ø 300 mm (Turnado 230), 4-jaw face plate chuck Ø 400 mm (Turnado 280), face plate Ø 350 mm (Turnado 230), face plate Ø 450 mm (Turnado 280), quick-action tool holder head, quick-action tool changer, coolant system, steady and follow rests, stop spindle, splatter guard, chuck guard, foot brake pedal, LED work lamp, reducing sleeve, steady center, thread gauge, operating tools, operator manual

Options	Part No.
• Quick-Set Spindle Bore Stop Size 7 56-66mm	103022
• Pivoted Mounts LK 55	103321
• 4-Jaw Lathe Chuck Steel 315 mm	146473

For additional options for these machines, visit our website and search for Turnado (Product Search)

Specifications Turnado		230/1000	230/1500	230/2000	280/1500	280/2000
Working Area						
Workpiece length (max.)	mm	1.000	1.500	2.000	1.428	1.928
Turning diameter over bed	mm	460	460	460	560	560
Turning diameter over support	mm	224	224	224	355	355
Turning diameter over gap bridge	mm	690	690	690	785	785
Gap bridge length / Bed width	mm	155 / 300	155 / 300	155 / 300	170 / 350	170 / 350
Swing range of top slide	°	± 52	± 52	± 52	± 52	± 52
Travels						
Travel X-axis / Z1-axis	mm	285 / 128	285 / 128	285 / 128	316 / 130	316 / 130
Headstock						
Spindle speed						
- with positioning indicator (quantity/range)	1/min	(12) 25-2.000	(12) 25-2.000	(12) 25-2.000	(12) 25-1.600	(12) 25-1.600
Spindle with infinitely variable speed adjustment	1/min	L 30-600 H 600-3.000	L 30-600 H 600-3.000	L 30-600 H 600-3.000	L 25-200 H 200-1.600	L 25-200 H 200-1.600
Spindle bore	mm	58	58	58	80	80
Spindle mount / taper		Camlock D1-6 / MK6	Camlock D1-6 / MK6	Camlock D1-6 / MK6	Camlock D1-8 / MK7	Camlock D1-8 / MK7
Feed						
Feed X-axis	mm/U	0,014-0,784	0,014-0,784	0,014-0,784	0,02-0,573	0,02-0,573
Feed Z-axis	mm/U	0,031-1,7	0,031-1,7	0,031-1,7	0,059-1,646	0,059-1,646
Tapping						
Tapping, metric	mm	(47) 0,1-14	(47) 0,1-14	(47) 0,1-14	(47) 0,1-14	(47) 0,1-14
Tapping, diametric	DP	(50) 4-112	(50) 4-112	(50) 4-112	(50) 4-112	(50) 4-112
Tapping, module	m	(39) 0,1-7	(39) 0,1-7	(39) 0,1-7	(39) 0,1-7	(39) 0,1-7
Tapping, whitworth	TPI	(60) 2-112	(60) 2-112	(60) 2-112	(60) 2-112	(60) 2-112
Tailstock						
Tailstock quill taper / Ø	mm	MK4 / 60	MK4 / 60	MK4 / 60	MK5 / 75	MK5 / 75
Tailstock quill stroke	mm	120	120	120	180	180
Tailstock traverse adjustment	mm	± 13	± 13	± 13	± 12	± 12
Drive Capacity						
Motor rating / voltage	kW/V	5,5 / 400	5,5 / 400	5,5 / 400	5,5 / 400	5,5 / 400
Motor rating with infinitely var. speed adjustment	kW/V	7,5 / 400	7,5 / 400	7,5 / 400	7,5 / 400	7,5 / 400
Measures and Weights						
Overall dimensions (l x w x h)	m	2,2x1,08x1,34	2,75x1,08x1,34	3,25x1,08x1,34	2,84x1,15x1,34	3,34x1,15x1,46
Weight	kg	1.720	1.970	2.100	2.370	2.720
Part No. with pos. indicator and infinitely variable speed adjustment		320570	320571	320575	320572	320573
Part No. with pos. indicator		320555	320558	320557	320559	320560