

## ZX-Models Metal lathes

- Induction-hardened and ground cast iron gantry bed
- Pull-out bed gap section
- Gear box makes it possible to cut a number of threads without changing the gears
- Permanently lubricated main, feed and apron gear
- Spindle jog control, right/left hand operation
- Hardened and ground gears in headstock and gear box
- Guides adjustable without play via V-ledges
- Carriage guide Turcite-B coated
- Central lubrication for carriage
- Adjustable feed clutch
- Transversal adjustment of tailstock for taper cuts
- Tailstock sleeve and hand wheel with adjustable precision scale

### Included in delivery

- 3-axis digital readout
- Robust cast iron machine stand
- Ø250 mm three-jaw chuck with basic and reversing jaws
- 4-jaw chuck Ø300 mm
- Face plate Ø400 mm (Ø300 mm / GH-1640ZX)
- 4-way tool post with indexing function
- Live center point MT-5 (MT-4 / GH-1640ZX)
- Fixed center point MT-5
- Reducing sleeve (MT-7 / MT-5)
- Steady rest and follow rest
- Splash guard
- Foot brake with limit switch
- Complete coolant system
- Halogen machine light
- Threading dial
- Stop shaft with 5 adjustable cams (switch-off of the longitudinal feed)
- Longitudinal stop with fine adjustment
- Chuck guard with limit switch
- Levelling elements
- Z-axis rapid feed (GH-2280ZX)



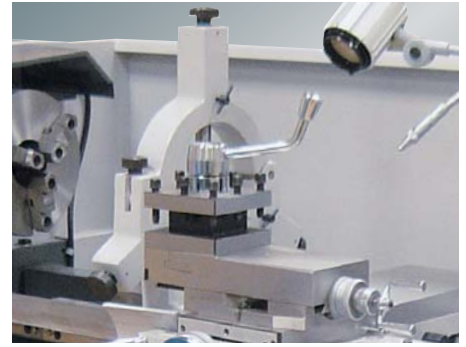
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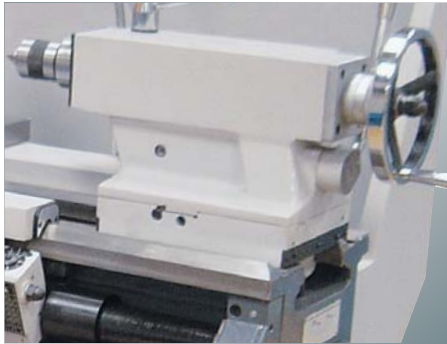
Ø250 mm three-jaw chuck with basic and reversing jaws, chuck guard with limit switch



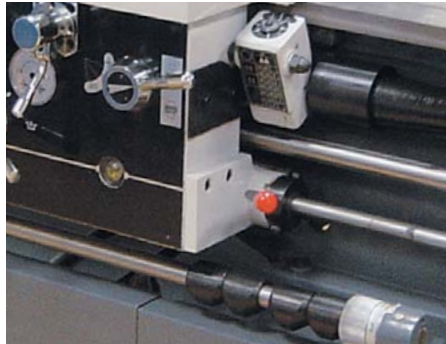
Gear box with hardened and ground gears makes it possible to cut a number of threads without changing the gears



4-way tool post with indexing function, steady rest and follow rest as a standard



Adjustment of tailstock for taper cuts, tailstock sleeve and hand wheel with adjustable precision scale



Stop shaft with adjustable cams (switch-off of longitudinal feed), threading dial



Z-axis rapid feed 5 m/min (GH-2280ZX)

Stock number	50000730T	50000750T	50000775T
Model	GH-1640ZX	GH-1860ZX	GH-2280ZX
Motor power input	8800 W / S <sub>6</sub> 40%	8800 W / S <sub>6</sub> 40%	11,7 kW / S <sub>6</sub> 40%
Motor power output	5600 W / S <sub>1</sub> 100%	5600 W / S <sub>1</sub> 100%	7500 W / S <sub>1</sub> 100%
Swing over bed	406 mm	460 mm	560 mm
Max. turning diameter (bed gap section)	657 mm	698 mm	775 mm
Center distance	1015 mm	1524 mm	2032 mm
Longitudinal feed (l/r): 122	0,038–2,3 mm/r	0,038–2,3 mm/r	0,038–2,3 mm/r
Transversal feed (l/r): 122	0,015–0,9 mm/r	0,015–0,9 mm/r	0,015–0,9 mm/r
Diameter over transverse slide	254 mm	280 mm	350 mm
Bed gap section length	310 mm	310 mm	310 mm
Spindle passage	Ø80 mm	Ø80 mm	Ø80 mm
Spindle taper	MT-7 (MT-5)	MT-7 (MT-5)	MT-7 (MT-5)
Spindle port: Camlock	D1-8 (DIN 55029)	D1-8 (DIN 55029)	D1-8 (DIN 55029)
Speeds: 12	25–1800 rpm	25–1800 rpm	25–1800 rpm
Metric threads: 24	0,5–20 mm/r	0,5–20 mm/r	0,5–20 mm/r
Inch threads: 61	72"–1 5/8" TPI	72"–1 5/8" TPI	72"–1 5/8" TPI
Module pitch: 20	0,25–10 MP	0,25–10 MP	0,25–10 MP
Diametrial pitch: 45	96–3 1/4 DP	96–3 1/4 DP	96–3 1/4 DP
Max. tool size	25 x 25 mm	25 x 25 mm	25 x 25 mm
Transverse slide travel	228 mm	228 mm	280 mm
Compound rest travel	130 mm	130 mm	130 mm
Tailstock ram travel	124 mm	124 mm	124 mm
Tailstock taper	MT-4	MT-5	MT-5
Capacity of steady rest	12 mm–178 mm	12 mm–178 mm	12 mm–178 mm
Capacity of follow rest	15 mm–90 mm	15 mm–90 mm	15 mm–90 mm
Width of lathe bed	340 mm	340 mm	340 mm
Dimensions (LxWxH)	2462 x 1016 x 1220 mm	2960 x 1016 x 1241 mm	3320 x 1040 x 1400 mm
Weight	2120 kg	2628 kg	3100 kg