

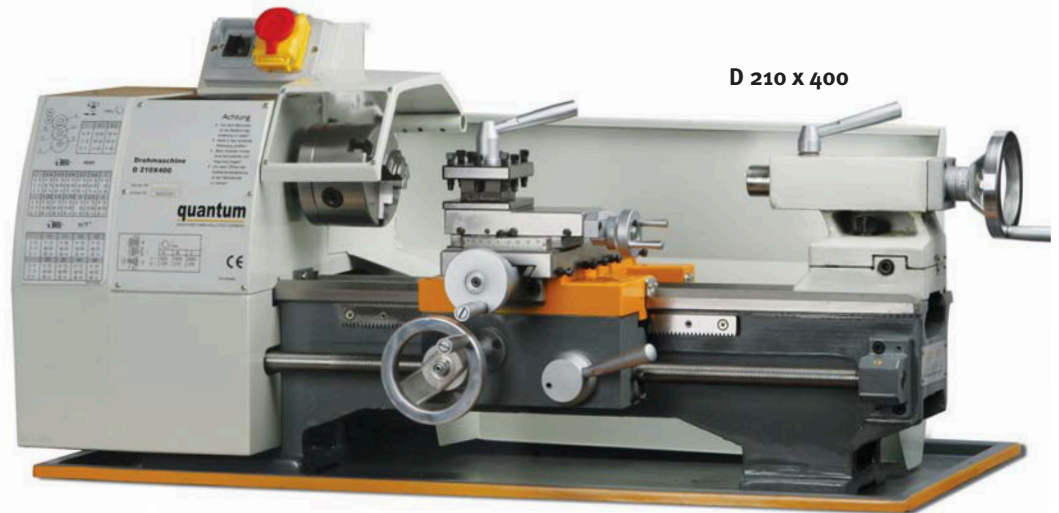
quantum D 210 x 400 / quantum D 250 x 400 / quantum D 250 x 550

Lathes for the demanding user.

quantum D 250 "VARIO" - type with continuous speed control and frequency converter **"Made in Germany"** (quantum D 210 x 400 Vario with DC-drive)

Convincing arguments: quality, efficiency and price

- Precision-manufactured
- Concentricity precision - lathe chuck smaller than 0.05 mm
- Concentricity precision - spindle nose smaller than 0.009 mm
- With saddle slide, compound slide and cross slide
- Automatic longitudinal/leadscrew drive
- Hardened work spindle with 2 adjustable taper roller bearings
- Taper roller bearings in P5 quality
- Rolled trapezoid spindle
- Thrust bearing
- Leadscrew run on two porous bearings
- Leadscrew for threading or automatic longitudinal feed
- Massive, maturated prismatic bed may of grey cast iron, maturated at least for six months inductively hardened (HRC 42-52) and precision-ground
- User-friendly automatic off-switch according to IP 54 with low-voltage release, EMERGENCY-STOP button and right-handed/left-handed rotation
- quantum D 250 "Vario" type with frequency converter, thus with extreme engine power and almost constant course of torque
- High-grade lathe chuck protection
- Manufactured according to DIN 8606 (toolmaker's precision)
- High value stability



Model	D 210 x 400	D 250 x 400	D 250 x 550
Item No. (230 V)	342 0321	342 0400	342 0550
€ (VAT excl.)	859.00	959.00	995.00
Item No. (400 V)	-	342 0403	342 0553
€ (VAT excl.)	-	959.00	995.00

Model	D 210 x 400 Vario*	D 250 x 400 Vario*	D 250 x 550 Vario*
Item No. (230 V)	342 0324	342 0404	342 0554
€ (VAT excl.)	1,190.00	1,650.00	1,690.00

Technical data	D 210 x 400	D 250 x 400	D 250 x 550
Centre height	105 mm	125 mm	125 mm
Distance between centres ¹⁾	400 mm	450 mm	550 mm
Turning diameter (max.)	210 mm	250 mm	250 mm
Spindle hole	21 mm	21 mm	21 mm
Spindle taper	MT 3	MT 3	MT 3
Spindle speeds	125 - 2,000 rpm	125 - 2,000 rpm	125 - 2,000 rpm
Number of steps	6 steps	6 steps	6 steps
*Spindle speeds Vario	150 - 2,200 rpm	20 - 2,200 rpm	20 - 2,500 rpm
Pitch - Metric	0.4 - 3.5 mm/rev	0.4 - 3.5 mm/rev	0.4 - 3.5 mm/rev
Pitch - Inch	10 - 44 TPI	10 - 44 TPI	10 - 44 TPI
Longitudinal feeds	0.1 - 0.2 mm/rev	0.1 - 0.2 mm/rev	0.1 - 0.2 mm/rev
Top slide travel ¹⁾	70 mm	70 mm	70 mm
Cross slide travel ¹⁾	110 mm	110 mm	110 mm
Tailstock taper	MT 2	MT 2	MT 2
Tailstock -sleeve travel	70 mm	70 mm	70 mm
Motor power 50 Hz	750 W	750 W	750 W
Dimensions (L x W x H)	880 x 500 x 475 mm	865 x 500 x 500 mm	1,015 x 500 x 500 mm
Net weight	80 kg	96 kg	125 kg

¹⁾Guideways travel are briefer during use of measuring gibs for digital displays



Standard accessories

Extent of supply:

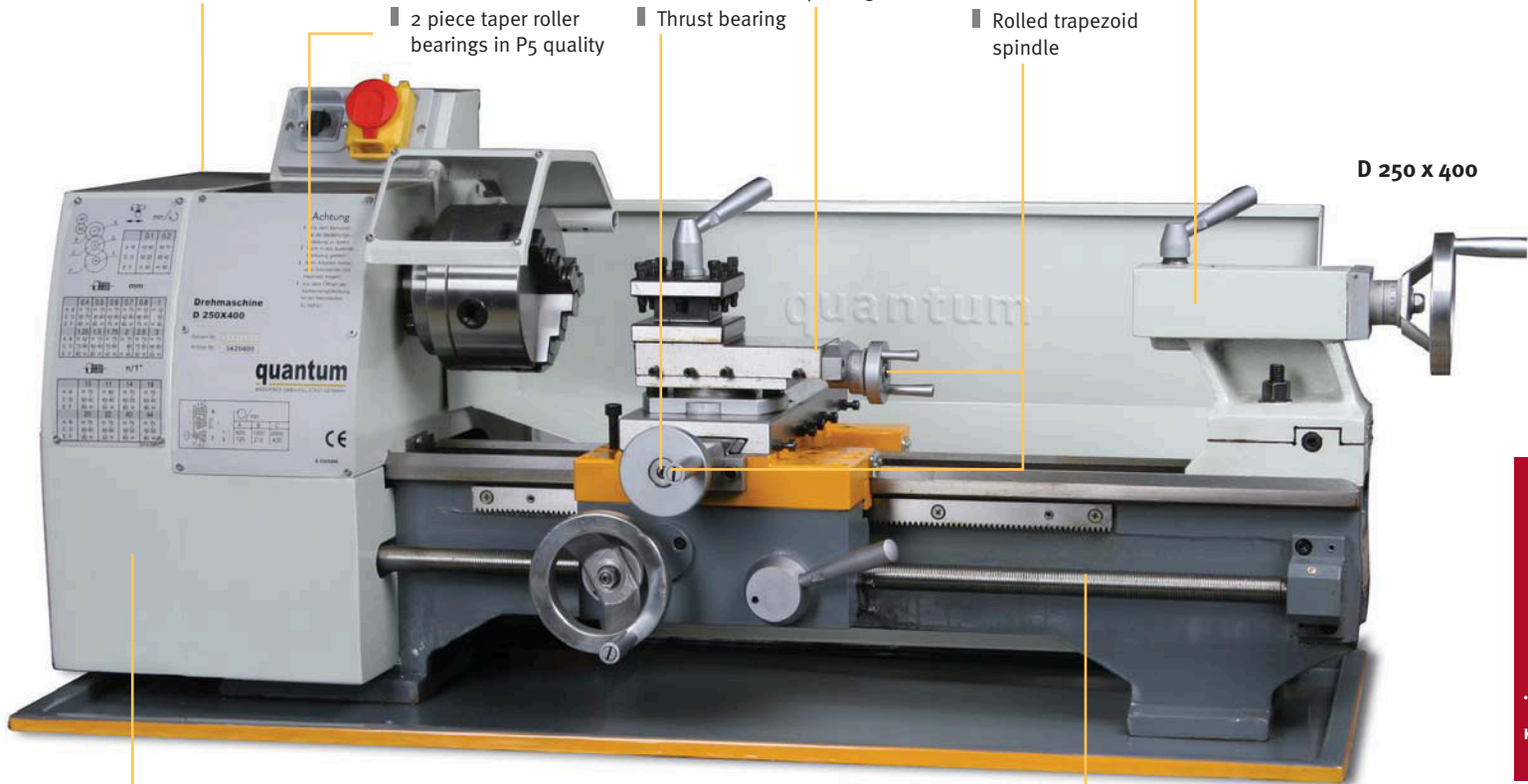
- 3-jaw chuck Ø 100 mm (D210)
- 3-jaw chuck Ø 125 mm (D250)
- Fixed centre MT2
- Fixed centre MT3
- Lathe chuck protection
- Lathe dog
- HSS cutting tools
- Rear splash guard
- Chip pan
- Quadruple tool holder
- Operating tools
- Change gear kit 10 pcs. from 0.4 to 3 mm and inch-based (10-44 TPI) thread
- Test certificate



Optional accessories:
Digital magnetic measuring system MPA 3
 refer to page 42

- Precision-machined slide
- Handwheels with adjustable precision scaling of 0.04/0.01 mm
- Quadruple tool holder
- All guideways adjustable due to tapered gibs

- Tailstock adjustable for taper turning
- Tailstock sleeve and handwheel with adjustable precision scaling of 0.02 mm



■ 2 piece taper roller bearings in P5 quality

■ Thrust bearing

■ Rolled trapezoid spindle

D 250 x 400

- Change gear kit for threading
- Easy and fast speed change via V-belts



- Induction-hardened and precision-ground solid prismatic bed made of grey cast iron (HRC 42-52)

- Leadscrew run on two porous bearings



Accessories D 210	Item No.	€ (VAT excl.)
■ RÖHM 3-jaw chuck Ø 100 mm	344 1010	269.00
■ RÖHM 4-jaw chuck Ø 100 mm	344 1012	299.00
■ Lathe chuck flange Ø 100 mm	344 0312	70.00
■ Lathe chuck flange Ø 125 mm	344 0313	70.00
■ Face plate Ø 200 mm	344 0352	50.00
■ Revolving centre MT 2	344 0702	45.00
■ Steady rest	344 0315	45.00
■ Follow rest	344 0310	45.00
■ Cutting tool kit 11 pcs, 10 mm	344 1108	59.90
■ Cutting tool kit 7 pcs, 10 mm	344 1111	110.00
■ Collet chuck holder ER 25	344 0305	70.00
■ Collet chuck holder ER 32	344 0306	79.00
■ Collet kit ER 25, 15 pcs, 1 - 16 mm	344 1109	240.00
■ Collet kit ER 32, 18 pcs., 3 - 20 mm	344 1122	260.00
■ Quick-action tool holder SWH 1-A	338 4301	350.00
■ Factory assembly SWH	900 0401	60.00
■ Digital magnetic measuring system MPA 3 kit	338 3903	799.00
■ Factory assembly MPA 3 with material	900 0420	580.00

More accessories from page 36 onwards

Accessories D 250	Item No.	€ (VAT excl.)
■ RÖHM 3-jaw chuck Ø 125 mm	344 1025	279.00
■ RÖHM 4-jaw chuck Ø 125 mm	344 1027	319.00
■ Lathe chuck flange Ø 125 mm	344 0511	70.00
■ Face plate Ø 250 mm	344 0552	50.00
■ Revolving centre MT2	344 0702	45.00
■ Steady rest	344 0515	45.00
■ Follow rest	344 0510	45.00
■ Cutting tool kit 11 pcs 10 mm	344 1108	59.90
■ Cutting tool kit 7 pcs 10 mm	344 1111	110.00
■ Collet chuck holder ER 25	344 0505	80.00
■ Collet chuck holder ER 32	344 0506	90.00
■ Collet kit ER 25, 15 pcs, 1 - 16 mm	344 1109	240.00
■ Collet kit ER 32, 18 pcs., 3 - 20 mm	344 1122	260.00
■ Quick-action tool holder SWH 1-A	338 4301	350.00
■ Factory assembly SWH	900 0401	60.00
■ Substructure D 250 x 400	344 0407	230.00
■ Substructure D 250 x 550	344 0507	230.00
■ Digital magnetic measuring system MPA 3 kit	338 3903	799.00
■ Assembly MPA 3 with mounting material	900 0420	580.00