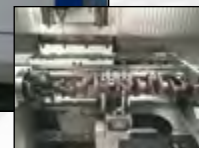


Range of products and services of RASOMA

- Machine tools
- Special-purpose machines
- Automation solutions
- Component production
- Services (consultancy, technology, customer service, maintenance etc.)



RASOMA manufacturing center FZS 3200 for end processing and oil drilling processing of crankshaft etc.



RASOMA end machining center EBZ 400-4500 for shaft-type work pieces up to 4,500 mm in length



RASOMA vertical-turning-grinding center DZS 250-2



Selected references in alphabetic order

Anji Precision, CN
 Bitzer, DE
 Blickle, DE
 BMW, DE
 Buderus Guss, DE
 Caterpillar, US
 CMV, IT
 Continental, DE
 Cotarko, DE
 Daimler, DE
 Daimler, US
 Eifelwerk Gruppe, DE
 EMAG, DE
 Federal Mogul, DE
 FlammAEROTEC, DE
 Ford Aquitaine, FR
 Ford, UK
 Ford Otosan, TR
 Freudenberg, DE
 General Motors, U
 GEWES, DE
 GKN, DE
 GRIS Umformtechnik, DE
 HAY, DE
 HEGENSCHIEDT-MFD, DE
 Helwan Diesel, EG
 IFA Rotorion, DE
 John Deere, FR
 KmB Technologie, DE
 KOKI Technik, DE
 Kordel, DE
 Krause & Mauser Maschinenbau, DE
 KRS-Seigert, DE
 KTR Tacke Kupplungstechnik, DE
 Küpper, DE
 Lakshmi, IN
 Linamar, DE
 Mahle, DE
 MAN Ferrostaal, DE
 Mannesmannrohr, DE
 MTS Traktorenwerk Minsk, BY
 MUBEA, DE
 Nabtesco ITG, DE
 NILES-SIMMONS Industrieanlagen, DE
 NZWL Neue Zahnradwerk Leipzig, DE
 Opel, DE
 Orsk Machine Building, RU
 Profiator, DE
 Rege, DE
 Reintjes, DE
 Schmidt Automotive GmbH, DE
 SEW, FR
 SHW, DE
 UKM, DE
 Visteon, US
 Volkswagen, DE
 VTF Group, CH
 VTZ Volszhky, RU
 Wildauer Schmiedewerke, DE
 Zimmermann, DE

RASOMA

Werkzeugmaschinen GmbH



Alexanderstraße 6
 D-04720 Döbeln
www.rasoma.de



In addition to our vertical turning centers of the series DS and DZS for disc-type parts which are produced for many years, now is a powerful turning center for shaft-type parts available: our newly developed DWS 250-4/600

RASOMA

Werkzeugmaschinen GmbH

A member of the NSH-Group

since 1895

TOWARDS THE FUTURE WITH TRADITION

RASOMA Vertical-shaft turning center DWS 250-4



RASOMA Vertical-shaft turning center DWS 250-4 with automated supply and removal of work piece



Generous and easily accessible work area

Concept

- Two independently controlled compound slides allow the simultaneous processing of shaft-type work pieces up to ca. 600 mm in length with two tools (depending on clamping device and clamping principle).
- The firmly mounted headstock and moveable tailstock with fixed center ensure high stability during the processing.
- The programmable tailstock force allows flexible sensitivity, so that face driver-applications as well as thin shafts can be machined perfectly.
- Process automation can be realized in many ways, for example with our very economic, proven machine integrated and highly flexible RASOMA articulating gantry loader.
- The working area is characterized by excellent accessibility to the tool turrets, the motor spindle and the tailstock, as well as by prolem-free chip flow along the 90°-bed edge into the chip conveyor.
- To achieve better damping characteristics, multiple ribbed monoblock-machine base is filled with either more or less polymer concrete, depending on the machining application.

Please visit our website. You will find the video for 4-axis-shafts machining on the machine DWS 250-4.

Technical data

| | | DWS 250-4/600 |
|-------------------------------------|-------|--|
| Machining area | | |
| Work piece \varnothing max. | mm | 200 |
| Work piece length max. | mm | approx. 600 |
| Travel path X1/X2-axis (horizontal) | mm | 400 |
| Travel path Z1/Z2-axis (vertical) | mm | 800 |
| Feed drives | | |
| Ball screw \varnothing , X1/X2 | mm | 50/50 |
| Ball screw \varnothing , Z1/Z2 | mm | 50/50 |
| Rapid traverse X-axis | m/min | 60 |
| Rapid traverse Z-axis | m/min | 60 |
| Headstock | | |
| Principle | | fixed |
| Motor spindle in headstock | | |
| Nominal power (100%) | kW | 28.3 |
| Rated load torque (100%) | Nm | 300 |
| Nominal speed | U/min | 900 |
| Speed, max. | U/min | 3,500, optional 5,000 |
| Spindle head with short taper | size | A6 |
| Reitstock | | |
| Principle | | moveable |
| Quill | | fixed |
| Pressing force | | programmable |
| Control | | |
| Manufacturer | | SIEMENS |
| Type | | Si 840 D solution line |
| Tool holder | | |
| Principle | | 2 x star turret, SW400 |
| Tool holder | | 2 x VDI 40, optional Capto C4 and KM40 |
| Places | | 2 x 12 |
| Driven tools, optional | | 2 x 12 |
| Weight | | |
| approx. | kg | 21,000 (with gantry) |



Machine-integrated RASOMA-articulating gantry loader and measuring station



Principle of loading and unloading of shaft-type work pieces with machine-integrated RASOMA-articulated gantry loader