



## Machine Features

<b>Machine Type:</b>	<b>CNC Vertical Lathe</b>
<b>Brand:</b>	<b>RASOMA</b>
<b>Type:</b>	<b>DZS 250-2</b>
<b>Year of manufacture:</b>	<b>2010</b>
<b>Control:</b>	<b>SIEMENS SINUMERIK 840D</b>



### Technical Data:

Control SIEMENS SINUMERIK 840D  
Spindle Speed 3.500 rpm  
Turning diameter 260 mm  
Turning length 400 mm  
Tool Capacity 12 x  
Tailstock No

Dimensions  
Length 5.276 mm  
Width 2.400 mm  
Height 3.310 mm

Description:  
Used RASOMA V DZS 250-2 vertical two-spindle turning center  
CNC Controls Siemens 840D

#### Technical Details:

Chuck  
diameter max. 260 mm  
Sled path X (per sled) approx. 900 mm  
Slide path Z 400 mm  
Turning spindle unit  
Spindle head A 6 (DIN 55026)  
Diameter in the front bearing 120 mm  
Spindle bore 38.1 mm  
Main drive  
Motorized insertion spindle with AC built-in motor, water-cooled, infinitely variable lubrication  
Lifetime grease drive power  
at 100% ED 28.3 kW  
at 40% ED 36 kW  
Speed range 3500 rpm  
Torque on the turning spindle max. at 100% ED 300 Nm  
Feed drive  
X-axis via linear motor 1FN3  
Rapid traverse speed 100 m/min  
Feed force 6915 N  
Z-axis via 1FT6 AC servomotors  
Rapid traverse speed 30 m/min



Ball screw diameter 40 mm

Feed force » 8 kN

Tool system

Disk turret tool holder mount VDI 40 tool positions

12 tool disk SW 320 position measuring system

X-axis incremental linear length measuring system LC 183 Compressed air connection 6 bar

#### Vertical Turning Centers DZS

Our vertical turning centers DZS are available in 5 sizes and can be equipped with one spindle, two spindles, and with or without additional machining devices for high-performance milling, hob peeling (gear cutting), shaping, engraving and other machining methods.

The centers may be operated with two independent compound slide rests enabling parallel machining at the same time. The longitudinal slide moves along three linear guides and is equipped with a linear drive providing high stability together with high dynamics.

#### CONCEPT

Short auxiliary process times:

Linear motor and three guides for the longitudinal slide

100 m/min and 5 m/s<sup>2</sup> on the X-axis

Highly dynamic drives for the main spindle and the Z-axis

Turret indexing time < 1 sec.

High flexibility:

Tailored to the manufacturing job to be handled

One-stop solutions for automation components, i.e. linear gantries, manipulators, gripper components, magazines, conveyor belts etc. starting from the idea via design up to fabrication

#### OPTIONS

Installation of additional machining units

Automation system tailored to the technology applied

Integrated measuring station inside turret, working area or on the outside

Tool and process monitoring

Driven tools

And many other features

#### **Description:**