

## TABLE BORING AND MILLING MACHINES

### TOS WHN 13 (CNC-Heidenhain 530i)

X-axis	: 3500 mm
Y-axis	: 2500 mm
Z-axis	: 1250 mm
Swivel table	: 1800 x 1800 mm
Max. weight of piece	: 12000 kg

### TOS WHN 13.4 (CNC-Heidenhain 426)

X-axis	: 2000 mm
Y-axis	: 2000 mm
Z-axis	: 1250 mm
W-axis	: 800 mm
Swivel table	: 1600 x 1800 mm
Max. weight of piece	: 12000 kg

### TOS WHQ 105 (CNC-Heidenhain 530i)

With tool changer (60 positions)

X-axis	: 1800 mm
Y-axis	: 1600 mm
Z-axis	: 1200 mm
Swivel table	: 1400 x 1400 mm
Max. weight of piece	: 5000 kg

## VERTICAL LATHES

### TONGTAI TOPPER (CNC-Fanuc 18i-TB)

With driven tools

Chuck	: $\varnothing$ 1600 mm
Max. diameter	: $\varnothing$ 2000 mm
Max. height	: 1600 mm
Max. weight of piece	: 8000 kg

## TURNING LATHES

### DOOSAN PUMA 700XLM (CNC - Fanuc 32i-B)

Turning diameter above bed	: $\varnothing$ 1140 mm
Turning diameter over carriage	: $\varnothing$ 1000 mm
Turning length between centers	: 5050 mm
Max. weight of piece without rest	: 8900 kg
12 driven tools	
Hydraulic rest	: up to $\varnothing$ 600 mm

### GURUTZPE (Conventional)

Turning diameter above bed	: $\varnothing$ 1215 mm
Turning diameter over carriage	: $\varnothing$ 860 mm
Turning diameter in bag	: $\varnothing$ 1500 mm x 680 mm
Turning length between centers	: 10000 mm
Weight of piece without rest	: 10000 kg
Weight of piece with rest	: 13000 kg
Internal turning	: from $\varnothing$ 300 mm - length 1200 mm if longer then by 2 sides

### TOS SUS 80 (Conventional)

Turning diameter above bed	: $\varnothing$ 840 mm
Turning diameter over carriage	: $\varnothing$ 520 mm
Turning length between centers	: 8000 mm
Weight of piece without rest	: 6000 kg
Internal turning	: $\varnothing$ 100 mm x 500 mm long

### RAVENSBURG (Conventional)

Turning diameter above bed	: $\varnothing$ 1400 mm
Turning diameter over carriage	: $\varnothing$ 1100 mm max.
Turning diameter in bag	: $\varnothing$ 1700 mm
Max. turning length between centers	: 4500 mm
Chuck with special claws	: $\varnothing$ 1600 mm
Tail-stock movement	: 2600 mm
Cross-movement	: 750 mm
Copy centre	: sauter kmsa 1002
Max. weight of piece	: 6000 kg
Internal turning	: $\varnothing$ 300 mm - long 1200 mm

### HARRISON ALPHA 800S (Teach in-Fanuc 21 i-T)

Turning diameter above bed	: $\varnothing$ 800 mm
Turning diameter over carriage	: $\varnothing$ 520 mm
Turning length between centers	: 2700 mm

### CAZENEUVE (Conventional)

Turning diameter above bed	: $\varnothing$ 675 mm
Turning diameter over carriage	: $\varnothing$ 400 mm
Turning length between centers	: 1500 mm
Turning diameter in bag	: $\varnothing$ 900 mm x 175 mm long

## BED MILLING MACHINES

### SORALUCE FLP8000 (CNC-Heidenhain 640)

Milling head with 360,000 positions (0.001° x 0.001°),  
with tool changer (60 positions)

X-axis	: 8000 mm
Y-axis	: 2200 mm (2700 mm)
Z-axis	: 1500 mm
Max. weight of piece	: 23000 kg

### KIHEUNG KNC-U1000 (CNC-Heidenhain 430)

X-axis	: 4720 mm
Y-axis	: 1250 mm
Z-axis	: 1650 mm
Max. weight of piece	: 8000 kg

### STYLE BT 1500+ CNC

X-axis	: 1500 mm
Y-axis	: 650 mm
Z-axis	: 700 mm
Max. weight of piece	: 1000kg

## MACHINING CENTER (TURNING AND MILLING)

### SHW UNISPEED 6T (CNC-SIEMENS 840D SL)

Milling head with 64,800 positions (1° x 1°)  
with tool changer (90 positions)

X-axis	: 3000 mm
Y-axis	: 1300 mm
Z-axis	: 1300 mm
Max. weight of piece (milling)	: 6000 kg
Max. weight of piece (turning)	: 3000 kg
Max. diameter	: $\varnothing$ 2400 mm



## WANT TO KNOW MORE?

Feel free to contact me anytime.

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## KEYWAY BROACHING MACHINE

### MAILLEFER

Width 8 to 10 mm	: Max. height 300 mm
Width 12 to 18 mm	: Max. height 400 mm
Width 20 to 32 mm	: Max. height 500 mm

## WELDING

MATECS is the right company regarding welding activities. We have 8 welding tables and very skilled people at our disposal.

### The equipment:

- Fronius 5000 with timer function
- Fronius 4000
- Preheating Unit
- Smaller material for electrode and TIG welding
- Tilting welding manipulators (5000 kg)
- Rotating manipulator (> 5000 kg)
- Press
- Various cutting, grinding and sanding machines
- Clamping read floors to be able to place large pieces
- Max size ca. 20000 X 6000 mm

## ASSEMBLING

Matecs has at its disposal a total workplace of 60 x 60 metres with various cranes up to 50 tons of lifting capacity and with a maximum hoisting height of 8 metres.

Our assembling activities are supported by our in-house machining department.

Matecs is situated near highway A58 and is centered between some major cities like Antwerpen, Breda, Rotterdam and Vlissingen.

## PRESSURE TESTING UNIT

### Hydraulic pressure testing unit

- Up to 200 bar
- Maximum diameter 1250 mm
- Maximum height 900 mm

### Water pressure testing unit

- Up to 100 bar

### Air pressure testing unit

- Up to 5 bar

## ENGINEERING

- AutoCad design
- Inventor design
- FEM analysis of products
- EdgeCam for off-line CNC-programming

## SAWING

### MISSLER DEB 410 CE (operated)

Sawing sizes	: Max. Ø 400 mm
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### KASTO BOW SAW

### KASTO BAND SAW

## RADIAL DRILLING MACHINE WITH PIVOTED ARM

### MAS VR8A

With Acurite reading	: 0,1 mm accurate
Arm length	: 2500 mm

# Matecs

