

MACHINING CENTERS

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	: ø 1600 mm
Max. diameter	: ø 2000 mm
Max. height	: 1600 mm
Max. weight of piece	: 8000 kg

WEBSTER & BENNETT (CNC-Fanuc 18-T)

Chuck	: ø 1450 mm
Max. diameter	: ø 1650 mm
Max. height	: 1250 mm
Max. weight of piece	: 11000 kg

FRORIEP (Conventional)

Chuck	: ø 1800 mm
Max. diameter	: ø 2040 mm
Max. height	: 1260 mm
Max. weight of piece	: 5000 kg
Including copying device	

STANKO (Conventional)

Chuck	: ø 2240 mm
Max. diameter	: ø 2500 mm
Max. height	: 1600 mm
Max. weight of piece	: 16000 kg

TURNING LATHES

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

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

GURUTZPE (Conventional)

Turning diameter above bed	: ø 1215 mm
Turning diameter over carriage	: ø 860 mm
Turning diameter in bag	: ø 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 ø 300 mm - length 1200 mm if longer then by 2 sides

TOS SUS 80 (Conventional)

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

RAVENSBURG (Conventional)

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

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

Turning diameter above bed	: ø 800 mm
Turning diameter over carriage	: ø 520 mm
Turning length between centers	: 2700 mm

PINACHO (CNC-Fanuc 1.8)

Turning diameter above bed	: ø 600 mm
Turning diameter over carriage	: ø 400 mm
Turning length between centers	: 2000 mm

CAZENEUVE (Conventional)

Turning diameter above bed	: ø 675 mm
Turning diameter over carriage	: ø 400 mm
Turning length between centers	: 1500 mm
Turning diameter in bag	: ø 900 mm x 175 mm lang

BED MILLING MACHINES

KIHEUNG KNC-U1000 (CNC-Heidenhain 430)

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

ZAYER 3000 (CNC-Heidenhain 355)

X-axis	: 2600 mm
Y-axis	: 1000 mm
Z-axis	: 1000 mm
Max. weight of piece	: 5000 kg

WALDRICH (Conventional)

X-Max. length	: 7000 mm
Y-Max. width	: 1750 mm (at once)
Z-Max. height	: 1200 mm
Max. weight of piece	: 7000 kg

TOS FGSV50 (Conventional)

X-axis	: 1400 mm
Y-axis	: 680 mm
Z-axis	: 500 mm

MISCELLANEOUS

RADIAL DRILLING MACHINE WITH PIVOTED ARM

MAS VR8A

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

KEY WAY BROACHINGMACHINE

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

SAWING

MISSLER DEB 410 CE (operated)

Sawing sizes	: Max. Ø 400 mm
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KASTO BOW SAW

KASTO BAND SAW

CONSTRUCTION AND MACHINE ASSEMBLY

MATECS is the right company regarding construction work. We have 8 welding tables and very skilled people at our disposal. (2 "6G"-welders).

The equipment:

- Fronius 5000 with timer function (2x)
- Fronius 4000 (2x)
- Preheating Unit
- Smaller material for electrode and TIG welding
- Tilting welding manipulators (5000 kg)
- Planar manipulator (> 5000 kg)
- Press
- Various cutting, grinding and sanding machines
- Clamping read floors (8x) to be able to place large pieces
- Max size ca. 20000 X 6000 mm

ASSEMBLING

MATECS has at its disposal a total workplace area of 80 x 80 metres with various cranes up to 50 tons of capacity and with a maximum hoist height of 8 metres.

The possibilities for technical processes and numbers are in fact endless.

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

Computer-assisted testing

PRESSURE UNIT

Matecs has a pressure unit which is used to wrest several parts for our customers, we use oil to do this and can go up to a pressure of 200 bar. All parts or pipe/tube-like constructions up to 1250 mm. diameter and a maximum height of 900 mm. that can be wrested with oil, can be tested for leakage, for example parts for the actuation system of ships or flow meter housings.



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