

## MACHINERY, Boring and milling



Boring and Milling  
30 pcs CNC boring and milling  
machines:

X-axis: 2000 - 45000 mm  
Y-axis: 1500 - 6000 mm  
Z-axis: 560 - 2075 mm  
W-axis: 800 - 1250 mm  
Table sizes: 1500 x 1200 -  
4000 x 4000 mm  
Table load: 5000 - 100000 kg

Boring and Milling  
5 pcs Planer - type milling  
machines:

X-axis: 2700 - 12000 mm  
Y-axis: 1500 - 3000 mm  
Z-axis: 1200 - 1500 mm  
Max. load: 40000 kg

Boring and Milling  
3 pcs Horizontal Machining  
Centers:

X-axis: 1000 - 1600 mm  
Y-axis: 800 - 1400 mm  
Z-axis: 1500 mm  
Table: 800 x 800 -  
1050 x 1050 mm  
Max. table load: 1500 - 3000 kg

3 pcs Vertical Machining  
Centers:

X-axis: 1000 - 1020 mm  
Y-axis: 500 - 510 mm  
Z-axis: 460 - 570 mm  
Max. load: 1500 kg

More detailed machine catalogue  
from our sales department.

## MACHINERY, Hollow Boring, Horizontal & Vertical Turning

Hollow Boring  
Center height 1200 mm  
Max swing over bed 2400 mm  
Max. boring depth  
- One side boring 19000 mm  
- Two side boring 25500 mm  
Max. admitted weight on  
headstock with 3  
steady 80000 kg  
Solid boring diameter  
20 - 350 mm  
Trepanning diameter  
50 - 550 mm  
Counter boring over 550 mm

Horizontal Turning  
15 pcs CNC lathes:  
Swing over: 630 - 2600 mm  
Distance between centers:  
700 - 25000 mm  
Max. weight between centers  
with steady rests: 80000 kg

Additionally grinding units

Vertical Turning  
12 pcs CNC lathes:  
Max. turning dia.:  
2000 - 4200 mm  
Max. turning height:  
1150 - 3000 mm  
Max. load: 40000 kg

Rotary tools and grinding units



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150/16t

## MACHINERY, Portal Milling, Bending

Portal Milling  
3 pcs Waldrich & Coburg PMC  
CNC machines:

Table width: 3500 mm  
Portal width: 4500 - 4750 mm  
Portal height: 4750 mm  
X-axis: 13125 - 13750 mm

Tables connected:  
27000 - 28250 mm  
Y-axis: 5500 - 7230 mm  
Z-axis: 1500 - 1750 mm  
W-axis: 3750 mm  
Max. load on table: 250000 kg

 KONEPAJA  
HÄKKINEN OY

More detailed machine catalogue  
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## MACHINERY, Bending

Bending  
Hydraulic 4-roller plate  
bending machine:

D 800 - 8000 mm

L 3650 mm

Pre-bending max 125 mm

Rounding max 150 mm

(Shell and cone)

Section bending machine:

D 1000 mm - >

Flat 60 x 250 mm

Square 145 x 145 mm

Bending  
CNC - controlled plate  
bending machines:

Press force 3000 tn

L 12000 mm

S max. 100 mm

Press force 1000 tn

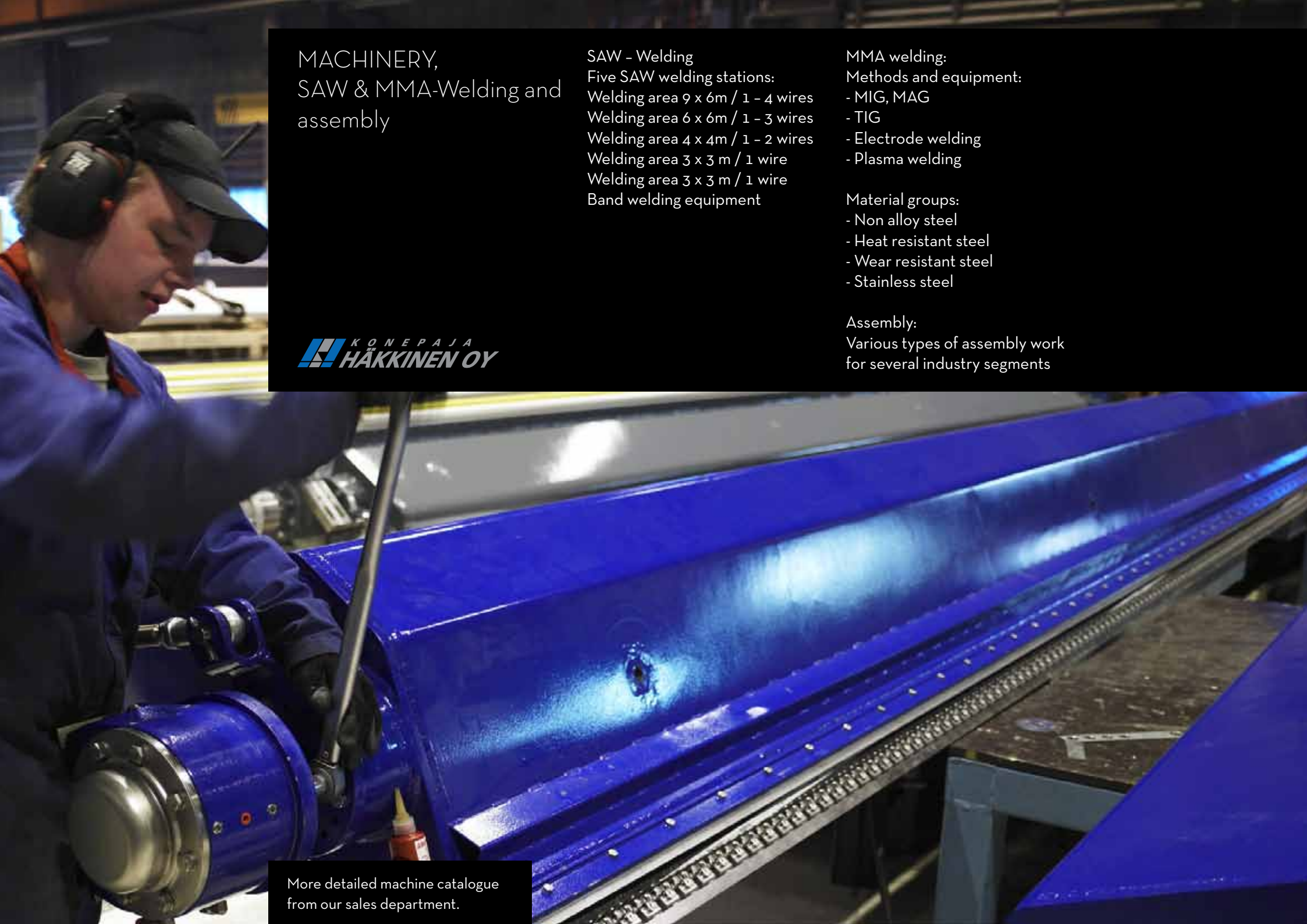
L 12000 mm

S max. 25 mm

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MACHINERY,  
SAW & MMA-Welding and  
assembly



SAW - Welding

Five SAW welding stations:

Welding area 9 x 6m / 1 - 4 wires

Welding area 6 x 6m / 1 - 3 wires

Welding area 4 x 4m / 1 - 2 wires

Welding area 3 x 3m / 1 wire

Welding area 3 x 3m / 1 wire

Band welding equipment

MMA welding:

Methods and equipment:

- MIG, MAG

- TIG

- Electrode welding

- Plasma welding

Material groups:

- Non alloy steel

- Heat resistant steel

- Wear resistant steel

- Stainless steel

Assembly:

Various types of assembly work

for several industry segments

More detailed machine catalogue  
from our sales department.