

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



More detailed machine catalogue
from our sales department.

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

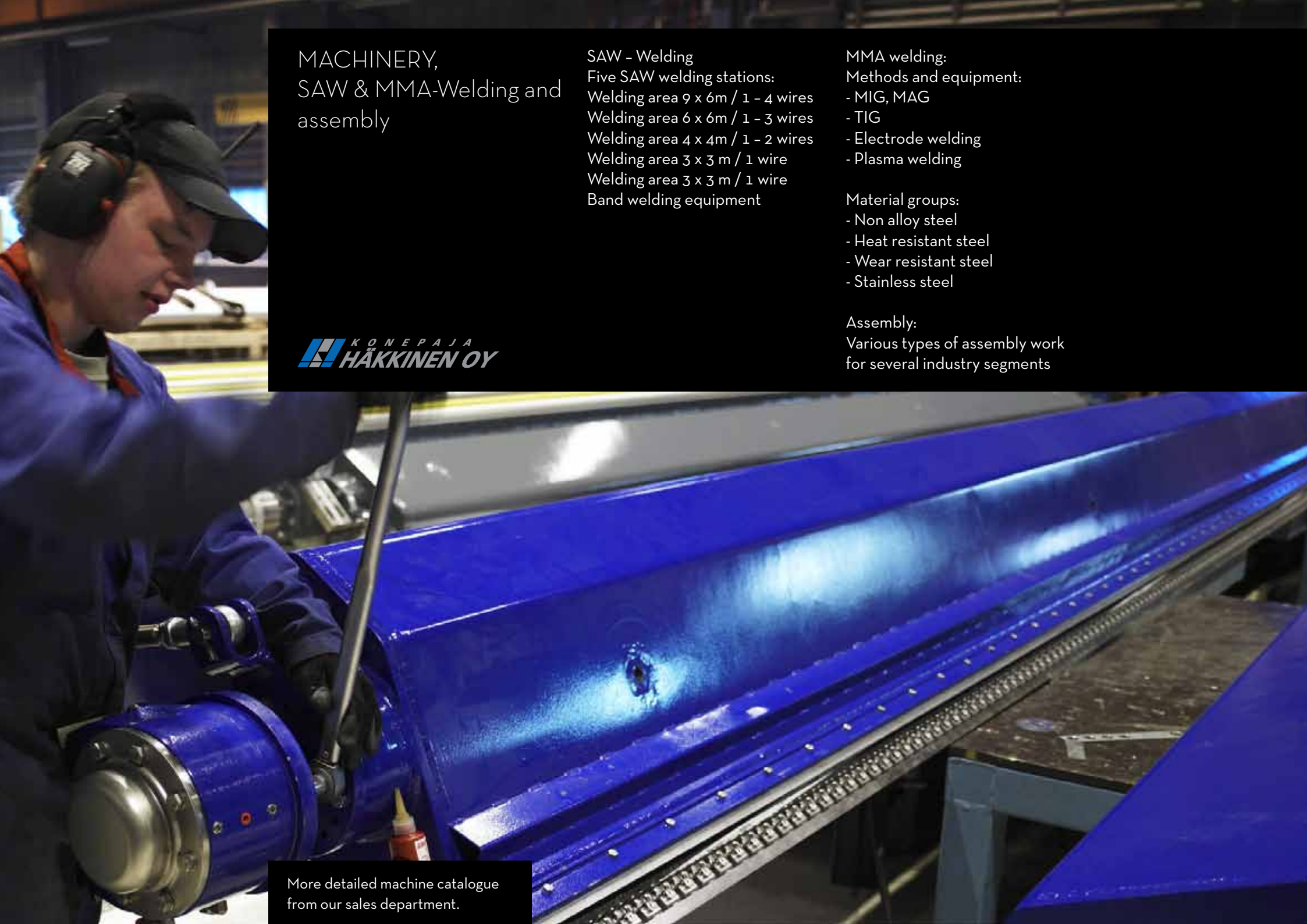
Bending
Hydraulic 4-roller plate
bending machine:
D 800 - 8000 mm
L 3650 mm
Pre-bending max 125 mm
Rounding max 150 mm
(Shell and cone)
Section bending machine:
D 1000 mm- >
Flat 60 x 250 mm
Square 145 x 145 mm

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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HÄKKINEN OY



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MACHINERY,
SAW & MMA-Welding and
assembly

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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 3 m / 1 wire
Welding area 3 x 3 m / 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

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