

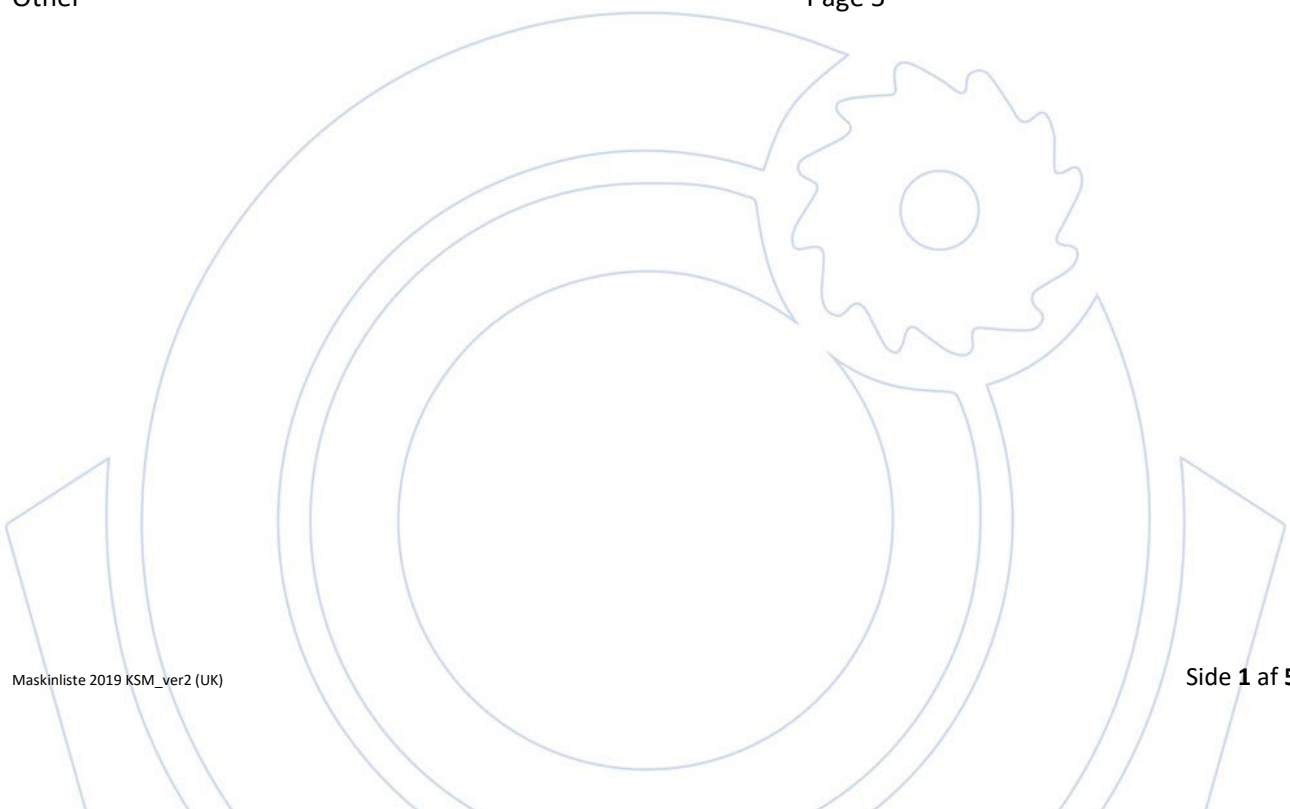
MACHINE OVERVIEW

KSM Group A/S has a modern machine park, where we have a wide range of both new and newer machines. Most of our machines are CNC controlled and all the manually operated machines are all equipped with digital, so we may at any time work according to the given tolerances. We hope you find our machine overview interesting and if you have any questions please do not hesitate to contact us.

We look forward to serving you.

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CNC CONTROLLED MILLING / DRILLING MACHINES

MANDELLI

X = 5,700 mm Y = 1,550 mm
 Z = 1,100 mm
 V & U = 800 mm
 2 ROTARY TABLES w/5,000 kg load capacity controlled
 Tools: 60 in tool chain
 Control: Heidenhain 530

UNION 150

X = 3,000 mm
 Y = 2,000 mm
 Z = 1,800 mm
 W = 700 mm
 ROTARY TABLE w/12,000 kg load capacity controlled
 Tools: 80 in tool chain
 2,500 RPM
 Control: Heidenhain ITNC530

UNION 130

X = 3.200 mm
 Y = 1.725 mm
 Z = 1.960 mm
 W = 600 mm
 ROTARY TABLE w/5,000 kg load capacity controlled
 Tools: 80 in tool chain
 Control: Heidenhain 530

UNION 110

X = 2,000 mm
 Y = 1,625 mm
 Z = 1,600 mm
 w = 500 mm
 2 ROTARY TABLES w/8,000 kg load capacity controlled
 Vertical rotatable head in 2 way
 Control: Heidenhain 407

CNC CONTROLLED MACHINING CENTRES

DECKEL MAHO, DMC 100 DUO BLOCK

X = 1,000 mm
 Y = 1,000 mm
 Z = 1,000 mm
 C = 360°
 B = 180°
 Revolutions: 12/12,000
 5 axis machining
 HSK 63
 6 pallets: 1,000 x 800
 Tools: 120 in tool chain
 Control: Heidenhain 530

DECKEL MAHO, DMC 125 DUO BLOCK

X = 1,250 mm
 Y = 1,000 mm
 Z = 1,000 mm
 C = 360°
 4 axis machining
 HSK 100
 6 pallets – 4 pallets 800x800 and
 2 pallets 1.000x800
 Tools: 120 in tool chain
 Control: Heidenhain 530

DECKEL MAHO, DMC 160 DUO BLOCK

X = 1,600 mm
 Y = 1,250 mm
 Z = 1,000 mm
 C = 360°
 B = 180°
 Revolutions: 12/18,000
 5 axis machining
 HSK 63
 6 pallets: 1,250 x 1,000
 Tools: 120 in tool chain
 Control: Siemens 840D
Ready for operation in August 2019

DECKEL MAHO, DMC 1035

X Axis = 1,035 mm
 Y Axis = 560 mm
 Z Axis = 510 mm
 A Axis = 200 mm
 Table length: 1,200 mm / Table width: 560 mm
 Max load on table: 1,000 kg
 kW power on spindle: 9/13 kW
 Spindle taper: Sk 40
 ATC tool changer: 30
 Spindle speed: 10,000 rpm
 Control: Heidenhain iTNC530

KITAMURA, HX630i

X = 1,000 mm
 Y = 800 mm
 Z = 820 mm
 ROTARY TABLE w/1,200 kg LOAD CAPACITY
 controlled
 Tools: 50 in tool chain
 Control: Fanuc

CNC CONTROLLED LATHES
GILDEMEISTER, CT 60

Max: 620 mm
 Swing: \varnothing 360 mm
 Turning length: 2,000 mm
 Control: Fanuc

TUR D 60

Max: 560 mm
 Swing: \varnothing 300 mm
 Turning length: 2,000 mm
 Brille (udbor D105)
 Control: Siemens

TUR D 100

Max: 1,100 mm
 Swing: \varnothing 800 mm
 Spindel bore size: 140
 Turning length: 3,000 mm
 Brille (drill D141)
 Control: Siemens

TUR D 100

Max: 1,100 mm
 Swing: \varnothing 800 mm
 Spindel bore size: 140
 Turning length: 3,000 mm
 Control: Siemens
Ready for operation in August 2019

Mori Seiki MT2000

(Multi spindle machine)
 Max: \varnothing 450 mm
 Swing: \varnothing 500 mm
 Turning length: 800 mm
 120 pieces of tools
 Control: Fanuc

CNC CONTROLLED MILLING MACHINES
DECKEL MAHO – DMU 60T

(High speed milling machine)
 X-travel = 630 mm
 Y-travel = 560 mm
 Z-travel = 560 mm
 A-travel = \div 12/+95
 B= \varnothing 200
 Table Length x Width = 1,000 x 600 mm
 Table Load in kg = 500 kg
 Spindle Taper: Sk40
 kW power on spindle: 9/13 kW
 Spindle speeds/ranges: 18,000 Rpm
 ATC tool changer: 20
 Coolant true spindle/Bar: 17 Bar bar
 Control: Heidenhain TNC 430

CNC CONTROLLED VERTICAL LATHES
SEDIN

Max: \varnothing 1,800 mm
 Max: height 800 mm
 Dr 13
 Control: Siemens

SEDIN

Max: \varnothing 1,200 mm
 Max: height 1,200 mm
 DR 17
 Control: Siemens

GOODWAY GV—1600M

Max: \varnothing 2,000 mm
 Max: height 1,300 mm
 CNC controlled
 Milling spindel 2,500 rpm
 Control: Fanuc
Ready for operation in August 2019

MANUEL CONTROLLED VERTICAL LATHES
WEBSTER & BENNET

Max: \varnothing 2,000 mm
 Max: height: 600 mm
 Accessories: Digital
 Possibility of grinding

WEBSTER & BENNET

Max: \varnothing 1,000 mm
 Max: height: 600 mm
 Accessories: Digital

WEBSTER & BENNET

Max: \varnothing 1,300 mm
 Max: height: 800 mm
 Removable boom

DÖRRIES

Max: \varnothing 3,500 mm
 Max: height: 1,500 mm
 Max. Z movement 1,000 mm (Vertical)
 Accessories: Digital
 Clearance below the boom: 1,600 mm/grinding

OTHER MACHINERY
STANKO lathe

Max swing 1,000 mm
 Length: 5,000 mm
 Accessories: Digital
 Possibility of grinder

Grinding machine

Max: \varnothing 400
 Length: 2,000 mm
 Accessories: Waveguide

PRESS - Jenny

160 tons
 Height: 850 mm
 Number: 2 units

Manuel Milling Machine

X: 800 mm
 Y: 450 mm
 Z: 540 mm
 Number: 2 units
 Accessories: Digital

Schaudt Cylindrical Grinder (CNC)

300 x 1,000 mm
 CNC control: Sinumerik

OTHER

FRÖMAG key seating machines CNC controlled

Width 70 mm

Length: 350 mm

Sawing

Height 520 mm

(Metal) Width: 700 mm

Number: 2 units

Wenzel 3D Measurement machine

X: 4,000 mm

Y: 3,000 mm

Z: 2,000 mm

1/1.000 precision

Welding

Welding workshop with 6 welding tables (including a separate stainless-steel cabin)

Trucks

Linde E35 elec. truck (3.5 ton)

Linde E16 elec. truck (1.6 ton)

Linde E16 elec. truck (1.6 ton)

Crane capacity

1 unit of 25 ton

1 unit of 16 ton

1 unit of 5 ton

1 crane (2-girder) – type CXTD

WLL: 10 ton

Span: 8,800 m

Ready for operation in august 2019

Number of small cranes up to 1,25 ton