



Specialists in Larger and Heavier Welded and Machine Worked Products

About Malmstens Verkstad AB

A sub-contractor of larger and heavier welded and / or machine worked products. Located in Ljungby within Småland in the vicinity of good transportation connections. Our main function consists of the welding of heavier products together with complex machine working, including quality control / testing and assembly.

Work is carried out in purpose built premises fitted with the appropriate equipment required for the manufacture of heavier products.

The products we manufacture can be found in, for instance, road making machines, forklift trucks, tube bending machines, various types of controlling equipment and large electrical motors, etc.



Welding is carried out both manually and robotically. Our work is carried out meeting the demands of modern and up to date welding skills with training as required.



Measuring using a CNC controlled measuring machine ensuring we fulfil the required tolerances.

*We also undertake **sub-contracted** measuring for customers.*



Machine working is performed with large mill boring machines, large multi-operational machines, together with small and large lathing machines.

List of machinery

MULTI-OPERATIONAL MACHINES

Mandelli h 4600	2 tables size Feeder length Angled feeder Height movement CNC system	1600*1400 mm 5800 mm 1100 mm 1500 mm Kongsberg 2000
Johnford 2000	Table size Feeder length Angled feeder Height movement CNC system	860*2100 mm 2050 mm 900 mm 710 mm Fanuc OM-F
Okuma MA-60 HB	2 pallets size Feeder length Angled feeder Height movement CNC system	630*630 mm 1000 mm 800 mm 810 mm Okuma OSP – 100M
Sajo HMC8000P	8 pallets Feeder length Angled feeder Height feeder (Full B axle) Number of tools Max diameter CNC system Sinumerik Table max load	800*1000 mm 1250 mm 1000 mm 800 mm 144 550 mm Siemens 850M 1250kg
Daewoo ACE-HM800	10 pallets Feeder length Angled feeder Height feeder (B axle 1 degree divisions) Number of tools Max dia/length CNC system Table max load	800*800 mm 1250 mm 1000 mm 1000 mm 240 250/550 mm Fanuc 18iM 1600kg

BORING MACHINES

TOS WHN 13,8 CNC	Spindle diameter Table Size Feeder length Angle feeder Height movement CNC system	130 mm 2200x 1800 mm 3500 mm 1250 mm 2000 mm Heidenheim 355
TOS WHN 13,8CNC With 60 tools	Spindle diameter Table Size Feeder length Angle feeder Height movement CNC system	130 mm 2200*1800 mm 3500 mm 1250 mm 2500 mm Heidenheim TNC-426
TOS WHN 9B	Spindle diameter Table size Feeder length Angle feeder Height movement	90 mm 1100*1000 mm 1250 mm 1000 mm 900 mm
Collet	Spindle diameter Table size Feeder length Angle feeder Height movement Digital on all axles	130 mm 1600*1400 mm 1800 mm 1180 mm 1750 mm

LATHES

Index GU 1000/450NC	Lathe dia over table Stud distance CNC system	450 mm 1100 mm Siemens 810 TG 3
PUMA 700LM	Lathe dia over table Revolver 2 position with driven tools Lathe diameter over inclined angle Stud distance CNC system	1030 mm Fanuc O-TA 800 mm 3200 mm
Mazak Interex 400	Lathe dia over table Revolver 2 position with driven tools Stud distance Y axle Tool storage tray for 40 tools	400 mm 3200 mm +/- 100 mm
Hitachi Seiki CS 25	20 pallets (250 mm). 40 kg per pallet. Lathe diameter 250 mm with swing 400 mm Tool length 300 mm, number of tools 12. All of the tools are driven.	

CUTTING MACHINERY

Bandsaw Shark 282 SXI Max Ø = 280 mm

SHEAR CUTTING MACHINE

Ursviken T max = 13 mm L = 3100 mm

WELDING

- Two robot welding machine, MOTOMAN UP-20-6 with manipulator VMF-500S5X. Max swing 750mm, load/side 750kg. Length between fixture plates L=2050 mm Including joint searching/following.
- Gantry welding robot (MOTOMAN) with suspended robot Working area X = 13 m, Y = 4 m. Max load 5000 kg.
- 8 complete work stations equipped with KEMPPPI or MILLER welding systems, semi-automatic
- Power between 350-600 A. All water cooled. All work-stations are equipped with lifting platforms.
- Welding positioner ESAB programmable max load 1000 kg, arm length = 1250 mm
- Welding positioner Ergocontrol programmable. Max load 1000kg Arm length =1000 mm
- Welding positioner Axmek max load 600 kg

MEASURING MACHINES

Type of machine	CNC controlled system machine Wenzel LH 1210 with Renishaw PH 10M controlled measuring head.
Software system	Metrolog XG 7
Measuring area	X-1200, Y-400, Z1000 mm
Measuring precision	
Length	0-1000 mm ±4 µm
Volume	1000 mm, ±4 µm

ASSEMBLING

- 1 complete work station for the assembly of fork units, including electrical and hydraulic assembly
- 1 complete work station for the assembly of telescopic fork units, including electrical and hydraulic assembly.



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