



A specialist in turnkey solutions of complex welded and machined products

About Malmstens Verkstad AB

A sub-contractor of larger and heavier welded and / or machine worked products. Located in Ljungby with in 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.

We are certified according to welding standards ISO 3834-2 / 1090-2.

Our facilities are well suited for heavy manufacturing and with appropriate equipment for handling heavier products.

The products we manufacture can be found in, for instance, pavers and soil compactors, warehouse forklifts, large forklift trucks, etc.



Welding is performed manually and with robot welding



Measurement in CNC measuring machine. We also perform subcontract measurements.



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 X= Y= Z= CNC system	1600x1400 mm 5800 mm 1100 mm 1500 mm Kongsberg 2000
Mandelli ROCK 3500	3 tables X= Y= Z= Tool L= Tool Ø= Tools	1600x1250 mm 4000 mm 2500 mm 2340 mm 600 mm 325 mm 230 pcs
Sajo HMC8000P (full B axle)	8 pallets X= Y= Z= Tool L= Tool Ø= Tools CNC system	1000x800 mm 1250 mm 1000 mm 800 mm 550 mm 250 mm 144 pcs Siemens 850M
Daewoo ACE-HM800 (B axle 1°)	10 pallets X= Y= Z= Tool L= Tool Ø= Tools CNC system	800x800 mm 1250 mm 1000 mm 1000 mm 550 mm 250 mm 240 pcs Fanuc18iM

BORING MACHINES

TOS WHN 13,8 CNC	Spindel Ø Table size X= Y= Z= CNC system	130 mm 2200x1800 mm 3500 mm 1250 mm 2000 mm Heidenheim 355
TOS WHN 13,8 CNC	Spindel Ø Table size X= Y= Z= Tools CNC system	130 mm 2200x1800 mm 3500 mm 1250 mm 2500 mm 60 pcs Heidenheim 355
TOS WHN 9B	Spindel Ø Table size X= Y= Z=	90 mm 1100x1000 mm 1250 mm 1000 mm 900 mm

LATHES

PUMA 700LM	Ø over table Revolver 2 positions with driven tools Swing Ø over cross slide Centre distance CNC system	1030 mm 800 mm 3200 mm Fanuc O-TA
Mazak Interex 400	Ø over table Revolver 2 positions with driven tools Centre distance Y axle Tools	400 mm 3200 mm +/- 100 mm 40 pcs
Hitachi Seiki CS 25	20 pallets Ø over table All tools are driven. Swing Ø over cross slide Centre distance Tools	250x250 mm 250 mm 400 mm 300 mm 12 pcs

CUTTING MACHINERY

Bandsaw Shark 282 SXI Max Ø = 280 mm

SHEAR CUTTING MACHINE

Ursviken Tmax 13 mm, L=3100 mm

ROBOT WELDING MACHINERY

2 **MOTOMAN UP-20-6** with manipulator VMF-500S5X.
Max swing 750 mm. Load/side 750 kg.
Length between fixture plates 1950 mm.
Including weld joint searching/following.

1 **MOTOMAN Gantry welding robot** with suspended robot.
Working area X=13 m, Y=4 m. Max load 5000 kg

WELDING MACHINERY

- 8 pc complete workstations Kemppi alt MILLER welding, semiautomatic. Power between 350-600 A. Water-cooled.
- Welding Positioner ESAB programmable. Max load: 1000 kg. Arm length = 1250 mm.
- Welding Positioner ESAB programmable. Max load 500 kg. Arm length = 1000 mm.
- Welding Positioner ErgoControll progr. Max load: 1000 kg. Arm length = 1000 mm.
- Straightening Press 400 ton. Table size 1500x1500 mm.

MEASURING MACHINES

Type of machine 3-axis WENZEL LH 1210. Full CNC control with Renishaw PH10M measuring head.
Software Metrolog XG7
Measuring range: X=1200mm, Y=4000 mm, Z =1000 mm.
Measuring accuracy:
Length 0-1000 mm +/- 4 my
Volume 1000 mm +/- 4 my

ASSEMBLING

2 workstations for mechanical assembly, including electrical and hydraulic installation.

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Kännavägen 23, S-341 31 Ljungby
Phone. +46 10 450 99 50