



Specialist in turnkey solutions in advanced sheet metal working

About Svets & Mekano AB

A supplier that provides turnkey solutions in advanced sheet metal processing, from a simple sketch to a manufactured assembled product.

We have our own design department to help our customers.

Production areas: laser / plasma cutting, bending, welding, robotic welding, machining, wet painting, powder coating.

Many products include some form of final assembly.

We are certified to weld standard 3834-2.

Production takes place in Vislanda in suitable premises.

Products we manufacture can be found in many areas, for example, fork lift trucks, warehouse trucks, compactors, hydraulic systems, large motors, forestry and recycling systems, etc.



Welding is performed manually and using robotic welding



Spraying done in a painting chamber with heat recovery and two drying ovens. We can paint up to level C5-M



We assemble small and large products. We also has a department for leak testing, cleaning and assembling of hydraulic tanks.

List of Machinery

Laser cutting

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| Trumpf TLC 3030 with 3200W laser, Equipped for automatic cutting | 3000*1500*20 mm, SS 2333 T=12 mm |
| Trumpf TLC 3030 with 3000W laser | 3000*1500*20 mm, SS 2333 T=12 mm |

Plasma cutting

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| Baykal precision plasma with Hyperterm HPR260XD 260 Amp | 6000*2000*40 mm |
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Edge pressing machines

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|---|--------------------------------------|
| Darley 200 tons CNC-controlled | L=4300 mm |
| Beyler 200 tons CNC-controlled | L=3100, 6 axels |
| Ursviken Optifelx 200 tons CNC-controlled | L=3500, 6 axels incl bending support |

Cutting/roller bending machines

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|------------------------------|--------------------|
| Darley shear cutting machine | T=10 mm, L=3100 mm |
| Roller bending SMT pullmax | T=10 mm, L=2000 mm |

Eccentric machinery

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|---------------|-----------------------------------|
| Aros 125 tons | Working table surface 1000*650 mm |
| Aros 63 tons | Working table surface 600*450 mm |

Cutting machinery

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| Band saw KASTO with feeding | max Ø = 450 mm |
| Band saw MEP 280 SXI with turning | Max Ø = 150 mm |

Forming/drilling/threading machinery

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| Leadwell V-60 with CNC system Fanuc 18-MC. | Table size 1800*900 mm. 24 tools. |
| Johnford VMC-1624 with CNC Heidenheim TNC 430. | Table size 1800*900 mm. 24 tools. |
| Daewoo ACE-H400P with CNC system Fanuc 18MC. Max load 400 kg. | 2 paletts 400*400 mm. Work area X600, Y 560, Z 560 mm. |
| Niagata SPN 50 with CNC system Fanuc 16 M. | 2 paletts 500*500 mm, 60 tools. Work area X 720, Y 720, Z 720 mm. Max load 600 kg |
| Radial drilling machine GSP | Arm length 1300 mm. |
| Radial drilling machine KMR-700 DS | Arm length 700 mm. |

Welding

Two robot-welding machines of the type **MOTORMAN UP-20-6** with manipulator VMF-500S5X.
Maximum swing 750 mm, load/side 500 kg. Length between fixture plates =2050 mm. Including joint searching/following.

One robot-welding machine of the type **MOTORMAN UP-20-6** with manipulator VMF-750S5X.
Maximum swing 750 mm, load/side 750 kg. Length between fixture plates =3150 mm. Including joint searching/following.

19 welding work places. Migatronic welding machines. Effect 350 - 500 Amp. Water cooled. Calibrated.
All work places equipped with lifting table.
1st power source Esab Me 3001i with feeder Feed 3004 U6 with panel Aristo pulse.

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| Welding positioners ESAB , programmable. | Maximum load 500 kg, arm length = 1000 mm. |
| Welding positioners ErgoControll , programmable. | Maximum load 1000 kg, arm length = 1500 mm. |
| MILLER XMT 300 Tig welder Migatronic Commander Tig welder 400 AC/DC. | |
| Bolt welder Esab Alpha 850. | Maximum diameter 12 mm. |
| Bevel cutting machine Pullmax X97 | Angel 25 – 55° |
| Spot welder 30 kVA with guard | |

Assembling

Two fully equipped working areas for the assembly of working platforms and similar products.
Three fully equipped working areas for the cleaning and assembly of hydraulic tanks.
Two fully equipped working areas for miscellaneous types of assembly.

Surface treatment

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| Blasting area with recyclable sand/cleaning | Area 8000*6000 mm |
| Shot blasting machine SBM | W = 700, H = 2000mm, L = unlimited. |
| Spray painting room with air cleaning. | Area 8000*7000 mm. |
| Drying oven | L = 4000, H= 2700, W = 3900 mm. |
| Drying oven | L = 4000, H= 3700, W = 3500 mm. |
| Cooling room | Area 12000*6000 mm. |

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