

**Since
1990**

VSV UPGRADES

LONGITUDINAL SEAM WELDER UPGRADES

Modernize Your Welding System

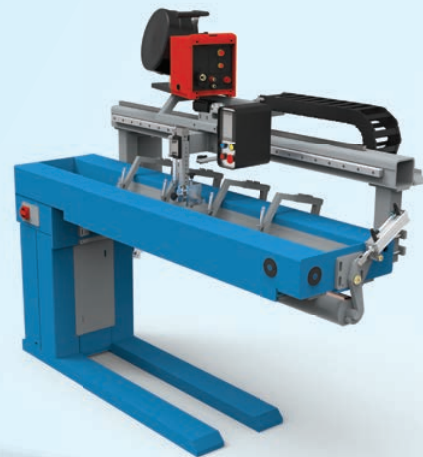
↑ Increase Competitiveness

↓ Reduce Costs

Uncover Your Hidden Annual Welding Costs*

Yearly Costs

* Based on welding just 30 parts daily and without the upgrades.
Actual values will vary by company.



Costs:

Up to **5000 €**

Setup, Clamping, and Welding

Up to **4000 €**

Scrap 3 % (Ø500x1000x1)

+ Lost Labor Time

Up to **2500 €**

Consumption of Gas and consumables

Savings:

70%

50%

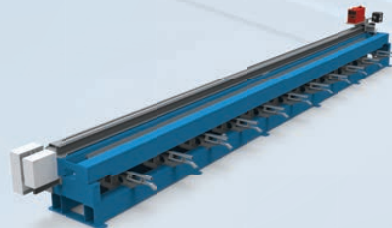
40%

3 Key Areas of Savings

- 1. TIME** - Increased Productivity (1, 3, 4, 5, 6, 7, 8, 10)
- 2. QUALITY** - Reduced Scrap and Higher Repeatability (1, 3, 5, 6, 7, 9, 10, 11)
- 3. COST** - Lower Consumption of Gas and Consumables (1, 2, 11)

Machine Age is No Limit – We install all upgrades regardless of year, from 1990 to today.

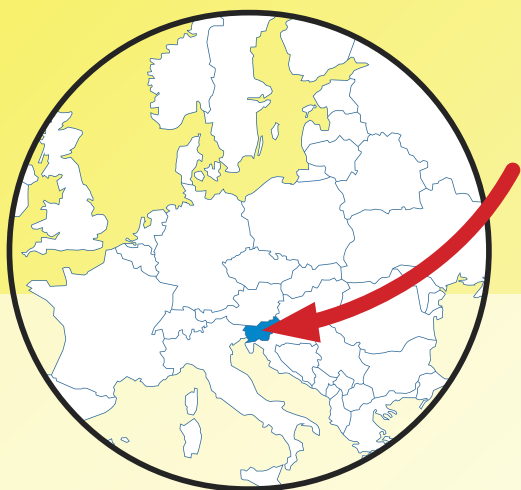
Applies to all types of Longitudinal Seam Welders!



Options

for upgrading VSV welding machines

- 1 Laser Welding Source Integration**
Achieve higher speed, less deformation, eliminate downtime spent grinding electrodes. Handheld laser torch can be integrated and can be quickly detached to use for manual welding.
- 2 Multi-Zone Shielding Gas System**
An automatic system that shuts off gas flow in sections of the backing bar where no welding is occurring. The switch is automatic, based on the torch position. This significantly reduces gas consumption.
- 3 Automatic AI Detection of Start and End Welding Positions**
Real-time, during welding, machine vision detects the sheet edge and automatically turns the welding ON/OFF. No need to manually input distances or precisely position the sheet metal. When changing sheet/jacket lengths, simply press START—the rest is automatic. Supports welding two jackets simultaneously.
- 4 Lift & Transfer Cart for Rapid Sheet Loading**
Easier and faster loading onto the mandrel, push the sheet on rollers quickly into or out of the machine.
- 5 Complete Refurbishment**
The age of mechanical or electronic components can severely limit productivity. Discuss with us the latest control system and mechanical refurbishment options.
- 6 AVC System or Oscillation**
AVC automatically adjusts arc height to increase weld repeatability and quality. Oscillation enables easier and faster welding of thick sheet metal and achieving a wider weld.
- 7 Cleaner Welds – Trailing Gas Shields**
A purge gas shield with flow control achieves a cleaner weld, which saves grinding time.
- 8 Two-Stage Clamping**
The first clamping stage allows for slight sheet metal movement for easy and precise alignment.
- 9 Welding Camera**
Record and save footage for greater quality control and direct insight into arc characteristics.
- 10 Laser Line Projector**
Additional assistance for centering the sheet metal onto the center, guided by a highly visible laser line.
- 11 Gas Flow Meters**
Digital or classic flow metering for consumption control and the option for out-of-range warnings.
- 12 Cloud Interface – Phone Monitoring**
Quick overview of machine status and efficiency; the number of welds, average weld time, machine hours...



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