



Welding torches



STEEL MEC TORCHES FOR NARROW GAP AND CLADDING

SAW - NARROW GAP - CLADDING - SPECIAL UNIT

The STEEL MEC sold activities include also the manufacture of welding torches to be used in non-standard applications.

This means that, when the equipment on the market are a limit for the realization of a project, the STEEL MEC uses its know-how to design and realize all the solution required to comply with the requirements of the special application of the Customer.

The torch for immerse NARROW GAP torch able to work up to a depth of 350 mm in a groove with an opening of only 18 mm is our key product. However. We manufactured and patented also the vision and saving laser system of the welding joint, the sole items on the market to be provided with this technology.

In particular, for this application we designed and realized a machine for removing the non-compliance of the welded section up to the groove bottom (350 mm max depth). All this with a "hole" of only 18 mm.

We have realized welding torches for internal welding up to 12 m in length with a minimum passing diameter of only 50 mm!

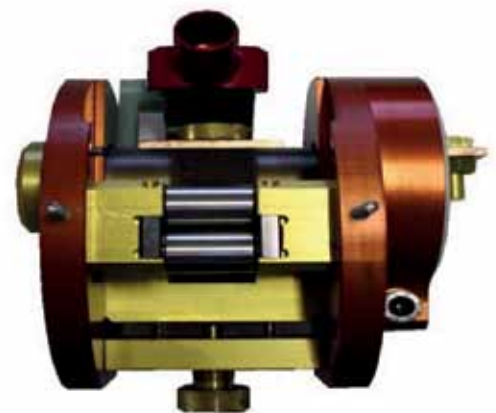


STRIP CLADDING HEADS

It's process method been used for more than 30 years and has been more and more replacing the manual welding processes used for surfacing. It's a economical solution for high alloyed materials, it can guarantee additional strength and corrosion re- sistance where is required.

This welding process can guarantee low dilution with base ma- terial and good slag detachability.

The cladding head are available for 30, 60, 90, 120 mm strips.





CLAD TECHNOLOGY AND APPLICATIONS

SAW (Sub-Arc welding)

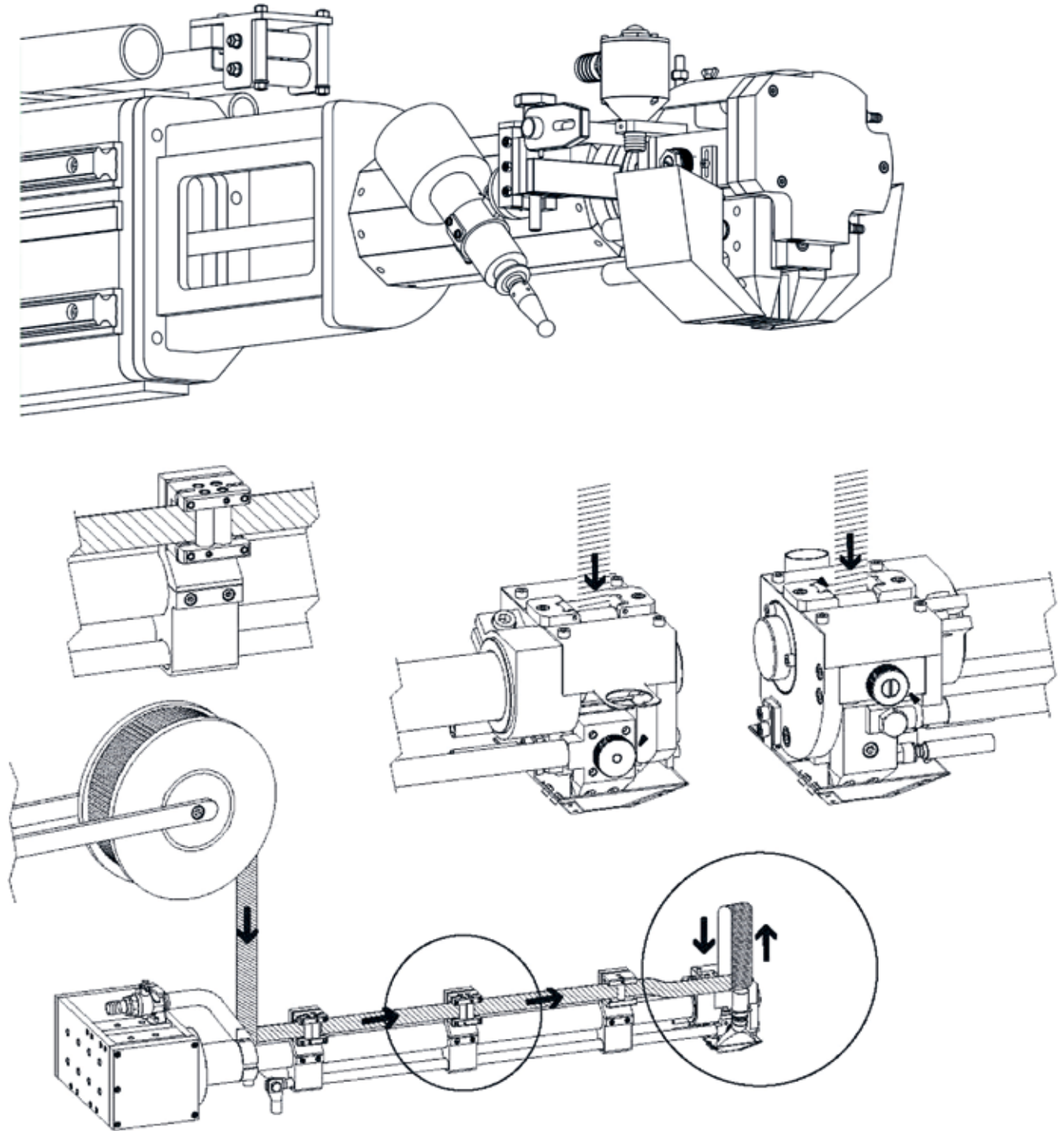
ESW (Electro-Slag welding)

- Low dilution with base material - Good slag detachability
- Chemical and Petrochemical Industry (Hydrocrackers, scrubbers and various pressure vessels)
- Off-shore Industry (Sea and waste water processing)
- Nuclear & Energy Industry (Tube plates, heat exchanger plates and reactor tanks)
- Pulp & Paper Industry (Fiber flow drums)
- Steel Industry (Continuous casting rolls)
- Ship yard (Piston -valve)





FROM THE MULTI-LANGUAGE INSTRUCTIONS BOOK



Drawings taken from the User manual of a cladding belt head.

If the system is complete with a welding head, the Manual for use and maintenance always encloses the document related to the accessories.

All our machines are provided with complete manuals and CE certification.



SLS100 STRIP CLADDING (SPIRAL OR STEP) WITH $\pm 0,1$ MM ACCURACY ON OVERLAP EDGE MONITORING AND RECORDING ON PC OF WORKING CYCLE PARAMETERS

