



40 m Path length, 38 m effective stroke

- **Two-sided operation**
 - The drive is performed by two AC electric motors with encoders, synchronized via CNC control model SIAX 100
 - Each program is set at the following parameters:
 - Welding speed in mm/min
 - Start and finish point of welding
 - Points on hold
 - Delay of movement in arc ignition
 - Control of both motorized heads for working position and hold
- **Two motorized carts for horizontal movement, consisting of:**
 - Direct current electric motors with encoders
 - Stroke 1000 mm
- **Two motorized carts for vertical movement, consisting of:**
 - Direct current electric motors with encoders
 - Stroke 1000 mm
- Two systems monitor the seams on both axes by moving the carts in vertical and horizontal position, with the option of an auto and manual mode, controlled by a joystick

1. AUTOMATIC WELDING HEAD NA – 3S Automatic wire welding head with feedback or constant wire feed speed with hot or cold start to work with current sources with solid or falling volt-ampere characteristic.

Flux core arc welding with one or more electrode wires

- Welding with tubular wire self-protection "Innershield" or tubular wire with gas protection "Outershield"
- Other processes such as arc MIG
 - Range of welding wires – 0.9 mm – 5.6 mm
 - Power supply – 115 V AC

Unique control for setting procedures and driving cycle for perfect arc ignition, welding and finishing of the crater for all processes and applications

- setup of the speed of the wire before the start of the arc for better ignition irrespective of the wire feed speed.

The wide operating range allows us to choose the best process and procedure to work.

- Use or flux welding process with an open arc
- Ability to wire to solid wire of 0.9 mm to 5.6 mm and tubular wire of 1.2 mm to 4.0 mm
- Two-optional setting of the pressing force of bodies according to its type

Flexible positioning of the wire feeding head for easy reset of procedures of different processes.

- Rotation on three axes
- Movement on the left and on the right
- Fine adjustment in the lateral direction allows the operator to monitor strictly the seam during welding

2. POWER SOURCE IDEALARC DC 1000

Power source DC-1000 – universal welding rectifier designed for semi-automatic and automatic welding. It provides both hard and falling voltage-ampere characteristic.

TECHNICAL DATA DC 1000

Power supply	380/3/50
Range of welding current	150A-1300A
Range of welding pressure	13 V – 46 V
Load	1000 A / 100 %
Pressure on idle stroke	75V
Current consumption at 1000 A welding	112 A
Power cons. at 600 A welding Current	73,7 kVA
Losses	2kW
Protection degree	IP 23

