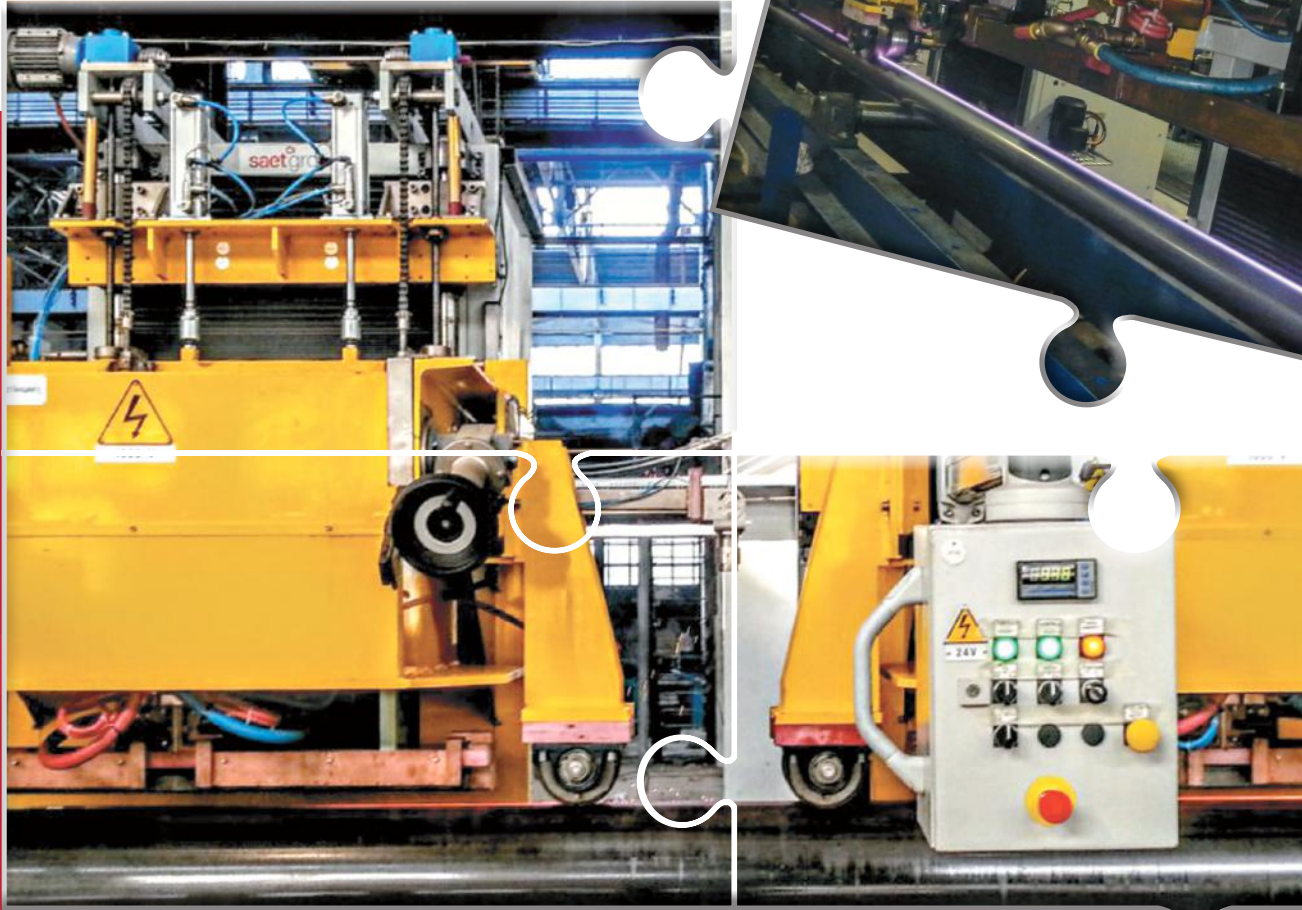




TUBULAR GOODS

IN-LINE SEAM ANNEALING SYSTEMS



Fast



Precise



Efficient



Robust

The seam annealing process is dedicated to the normalization of the Heat Affected Zone (HAZ), as the welding bonding line is modified from a metallurgic point of view and it can generate failure in flattening and flaring tests.

Both the American Petroleum Association (API) and the American Society for Testing and Materials (ASTM) specify that on a certain grades of pipe, the weld seam needs to be processed in order to ensure that no untempered material remains.

IN-LINE SEAM ANNEALING SYSTEMS



MACHINE FEATURES

- Power and operating frequencies optimized according to production requirements.
- IGBT based I-Power inverter working at proper frequency
- Special and robust inductor design using copper bars and magnetic flux concentrators cores to focus the magnetic field on the tube seam area.
- Pyrometer for temperature control.

ADVANTAGES

- Independent heating units for increased operational flexibility.
- Possibility to treat pipes from 30 to 660 mm OD by adopting the new linear coil with reduced width.
- Precise temperature management thanks to closed loop PID system comparing the requested set point with the actual temperature read by the pyrometer.
- Independent power control for each heating head (PID).

TECHNICAL INFO

Continuous output power	450 - 600 kW (single head)
Power regulation range	0 - 100%
Frequency range	1 - 3 kHz
Voltage supply	On demand
Output Stabilization	By Thyristor Control automatic voltage regulator: $\pm 1\%$ at Net variation $\pm 10\%$
Cooling method	Water to water by Stainless Steel heat exchanger
Max. industrial water temperature	27°C
Standard colour	Light grey RAL 7035

OPTIONS

- Manual or automatic seam tracking device
- Independent power control for each heating head
- Integrated management desk for global control of the system



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