

Manufacturing process & Equipment

Steel production



Aceria de Álava

STEEL MELTING SHOP

Amurrio, SPAIN

- Aceria Electric Arc Furnace (100 tons)
- AOD converter (60 tonnes)
- 8 soaking pit furnaces (gas heated)
- Forging press
- Blooming rolling mill
- Heat treatment
- Peeling and polishing
- Non destructive tests

Hot finished production

Tubacex Tubos Inoxidables

HOT EXTRUSION PLANT

Llodio, SPAIN

- 80-250 mm OD
- Horizontal induction furnaces
- Expanding press (hydraulic, 1.600 ton)
- Vertical induction furnaces
- Extrusion press (hydraulic, 3.000 ton)
- Soaking furnace (walking beams)
- Stretching - reducing mill
- Heat treatment
- N.D. testing (ultrasonic, hydrostatic)
- Finishing lines

Schoeller-Bleckmann Edelstahlrohr

HOT EXTRUSION PLANT

Ternitz, AUSTRIA

- 38-250 mm OD
- Horizontal induction furnaces
- Expanding press (hydraulic, 1.600 ton)
- Vertical induction furnaces
- 2 Extrusion presses (hydraulic, 2.000 and 3.300 tons)
- Soaking furnace (walking beams)
- Stretching - reducing mill
- Heat treatment/bright annealing furnace
- N.D. testing (ultrasonic, hydrostatic)
- Finishing lines



Cold finished production

HF Hollows

Cold piercing

Drumming

Heat treatment

Stretching

Pickling

Quality control

Curing

Packing

Cold finished tubes

UT TEST

EC TEST

LEAK TEST

DEGREASING

HEAT TREATMENT

STRAIGHTENING

MARKING

CFTUBES

PIKLING

COIL PIERCING/DRUMMING

DRUMMING

CUTTING

CUTTING

MARKING

CFTUBES



Welding and coiling capabilities available in SBER Special Tube Plant.