



*innovative · competent · reliable*



**SERVICE RANGE**

**Complete systems**

Analysis

Dismantling

Production line

Project management

# *Mechanical engineering*

Concepts

Electrical engineering

Automation

Drive technology



Custom solutions

Refurbishment

Assembly

# *Plant engineering*

# *Manufacturing*

Commissioning

From the first contact to the concrete contract and delivery of a complete turnkey plant: The C-Technik (CT) stands for a customized all-around service in mechanical engineering and special mechanical engineering.

We design, manufacture and assemble units for the strip steel and the rolling mill industry as well as special machinery for the mechanical engineering. Furthermore we modify and refurbish existing production lines.

Our services include engineering, detailed design and manufacturing as well as the assembly, disassembly, repair work and commissioning. Our sophisticated project management completes our portfolio.

Primary goals of our work are punctuality, a solid cooperation with the customer and a high degree of flexibility.

**That's the way we achieve success – together!**

## Reliable complete systems

C-Technik has profound know-how in the steel and steel belt industry as well as in rolling mill technology. This is backed up by more than 20 years of experience in the production of turnkey plants and plant sections. And also for modernizations, refurbishments, extensions and conversions C-Technik is your capable partner.

Thanks to our long years of experience and innovative approach, we can offer you individual product solutions for every strip thickness and material range for wide, medium and narrow band.

We create concepts, designs and drawings according to your wishes and specifications. We manufacture, assemble and take care of the commissioning and the training of operating personnel. In our concepts we put special emphasis on high economic efficiency and feasibility of the project.



Inquiry



Calculation



Offer



Order



Manufacturing

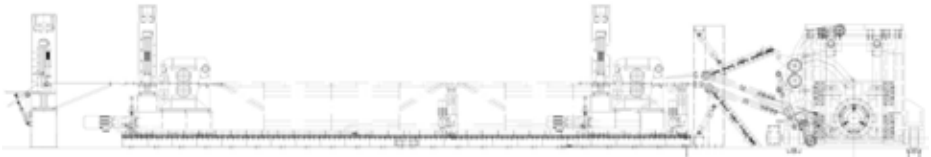


Delivery

### Complete systems

- slitting lines
- cut-to-length lines
- rolling mills
- packaging lines
- annealing and pickling lines
- galvanizing lines
- hardening lines
- inspection lines
- coating lines
- coil preparation lines
- brushing lines
- laying lines
- wrapping lines
- side trimming line

# Belt inspection line



- extraction from production line
- decoiling of 10 m belt
- optical inspection of belt surface
- coiling
- insertion in production line

## Technical data

- coil weight 45.000 kg
- coil outside  $\varnothing$  2.100 mm
- belt width 2.100 mm
- belt thickness 0,4 - 4,5 mm

# Binding and packaging line



- coils are stored as a package
- customer-specific requested and outsourced
- isolated, weighed, bound and stacked on pallets
- three stack places
- pallets are wrapped in foil
- stacked rings are tied with pallet
- before entering the high-bay warehouse, the total weight is determined

## Technical data

- coil weight 8.000 kg
- single ring weight 2.500 kg
- coil outside  $\varnothing$  600 – 1.600 mm
- coil inside  $\varnothing$  300/400/500/600
- coil width 650mm
- single coil width 15 – 400 mm
- binding 3 or 4 times (PTFE)
- foil stretcher

# Slitting unit with laying winder



- 15 laying winders incl. turnstiles
- coupled to a slitting line
- every laying winder with its own dancer unit
- laying width can be preset automatically

## Technical data

- speed 200 m/min
- pack weight 5.000 kg
- pack outside  $\varnothing$  1500 mm
- laying width 600 mm
- single strip width 10 – 45 mm
- belt thickness 0,6 – 4,5 mm

# Quarto reversing rolling mill



- very compact design
- unwinding rolls with feeding machine
- rolling out the ends of the band
- hydraulic positioning
- non-contact belt thickness measurement
- belt drying with pairs of squeeze rollers

## Technical data

- speed 500m/min
- coil weight 15.000 kg
- coil outside  $\varnothing$  2.000 mm
- coil width 750 mm
- belt thickness 0,8 – 16 mm
- adjustment power 8.500 KN
- total drive power 4.000 kW



# Annealing and pickling line



- refurbishment according to customer drawings
- maintenance and modernization work on i.e. thrust bearings, straighteners, end cutters, capstan rollers, auxiliary rollers, strip positioners, guide rollers, turn-down rollers, coil trolleys
- disassembly, refurbishment and assembly in 12 days

## Technical data

- coil weight 35.000 kg
- line length 410 m
- year of erection 1990



# Coiler for tailored blank material



- moveable assembly groups due to constant adjustments of belt center
- oscillating coiling possible
- 4 jaw coiling head with 2 hydraulic clamps
- clamping segments with thickness adjustment, the thickness of the belt varies along the width
- automatic belt insert
- brake rolls with incline and pressure adjustment and retraction device
- strip positioning
- hole punch with tools as a quick-change system

## Technical data

- speed 50 m/min
- coil weight 30.000 kg
- coil outside  $\varnothing$  600 – 2.000 mm
- coil inside  $\varnothing$  508/610
- coil width 100 – 2.200 mm
- belt thickness 0,5 – 4,5 mm
- belt center adjustable up to 1.750 mm

# Rolling stand with leveler



- profiling roll stand with a 7-roll straightener in front of a press
- different rolling sleeves to roll the strip edges with different profiles
- additional drive rollers installed in the leveler

## Technical data

- speed 120 m/min
- belt width 150 mm
- belt thickness 0,5 – 4 mm
- rolling force 300kN
- 7-roller leveler

## Side trimming line



- side trimming line for a pickling line

### Technical data

- speed 450 m/min
- belt width 2.200 mm
- belt thickness 0,4 – 2,5 mm



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