

**PRODUCTS AND SERVICES**

## FACTS & FIGURES

### Manufacturing • Trading • Stockholding • Distribution

- family-owned company
- founded in 1898
- manufacturing locations in Switzerland and France
- CHF 120 million annual turnover
- over 220 employees
- 3'500 active customers
- 62'000 sqm premise area
- 4'500 tonnes inventory
- over 20'000 tonnes delivered yearly
- ISO 9001:2015

## COMPETENCE CENTERS

### TRADING DIVISION

Stainless Steel Trading • Stockholding • Distribution

#### NOTZ METALL AG

sheets & plates, bars & profiles, tubes & fittings 5

### INDUSTRY DIVISION

Manufacturer of Customer- and Project-Specific Solutions

#### STEEL SERVICE CENTER

narrow width strip service centre (NOTZINOX®) 7

#### LAMINERIES MATTHEY

precision cold rolled strips & foils 9

#### STUDER-BIENNAFORM

cold rolled precision flat wire (STUDERINOX®) 11

#### JACQUES ALLEMANN

cold drawn bars, wire & profiles in highest precision 13

#### VOCO SARL

electrolytically copper plated & drawn round wire, rolled flat wire 15

laboratory services 17

edge engineering 19

**NOTZINOX®**  
**STUDERINOX®**



## STEEL TRADING

### FULL ASSORTMENT IN STAINLESS STEEL

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- sheets & plates
- bars & profiles
- tubes & fittings
- food and pharmaceutical tubes & fittings

### BARS FOR TURNED PARTS

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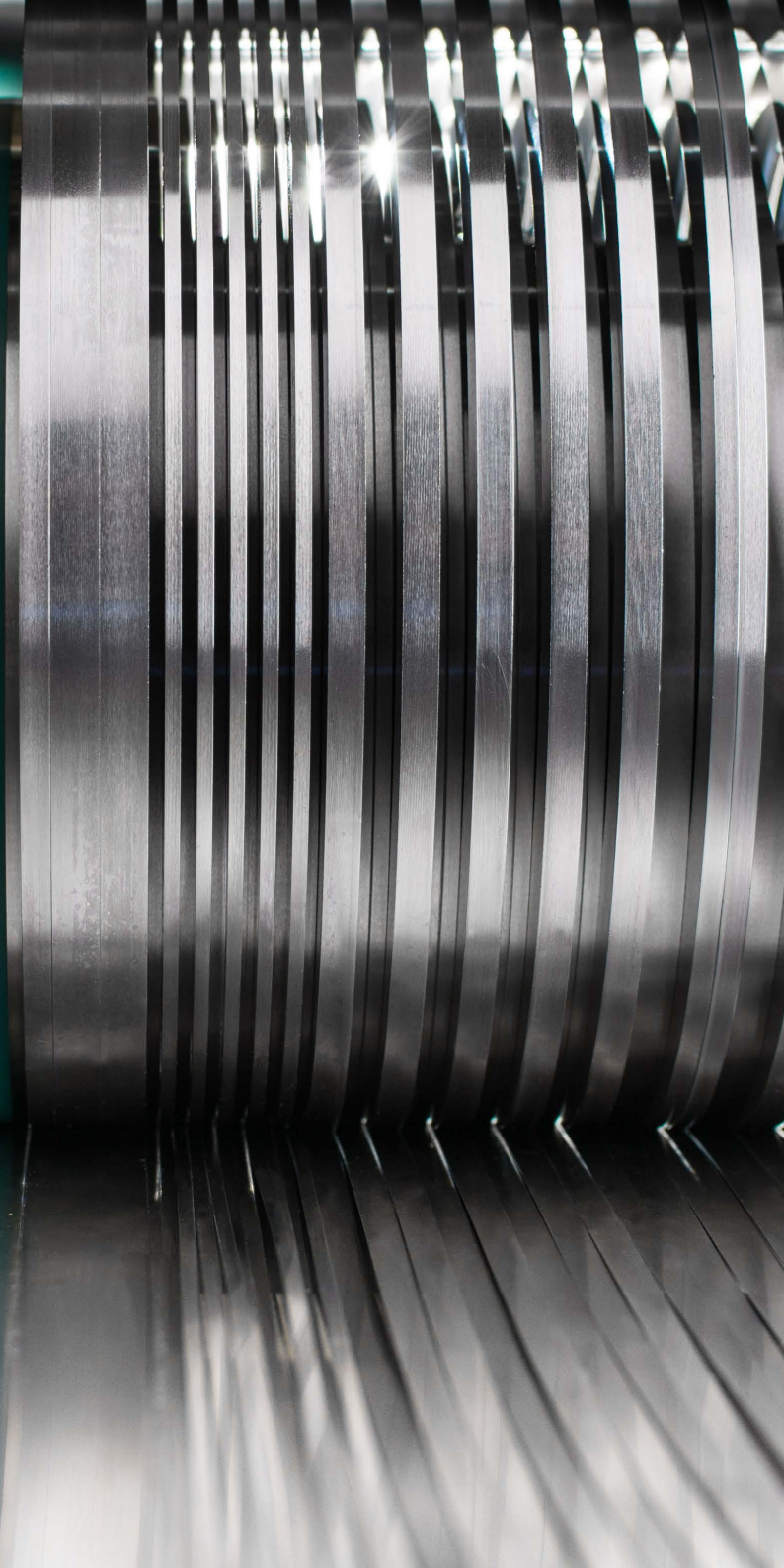
- stainless steel
- free cutting steel
- brass
- bronze
- 20AP / 4C27A / Finemac
- aluminium
- silver steel
- high-strength ETG88 / ETG100

### TAILOR-MADE PROCESSING

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- PVC-coating
- precision pre-cuts
- deburring
- bar sawing
- centerless grinding
- pointing / chamfering / pin turning





**NOTZ METALL  
SERVICE CENTER**

**NOTZ**group PRECISION STRIP

## **STRIP SERVICE CENTER NOTZINOX®**

### **SLITTING - DIMENSION RANGE**

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width: 2 - 500 mm

thickness: 0.05 - 3 mm

### **CROSS AND LENGTHWISE CUTTING**

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width: 5 - 300 mm

thickness: 0.05 - 3 mm

### **PRECISION ROLLING**

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width: 2 - 100 mm

thickness: 0.10 - 3 mm

### **LEVELLING**

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width: 5 - 300 mm

thickness: 0.05 - 3 mm

### **SIDE AND FLAT STRAIGHTENING**

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width: 5 - 30 mm

thickness: 0.15 - 3 mm

### **EDGE FINISHING**

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for design see page 19

### **PACKAGING**

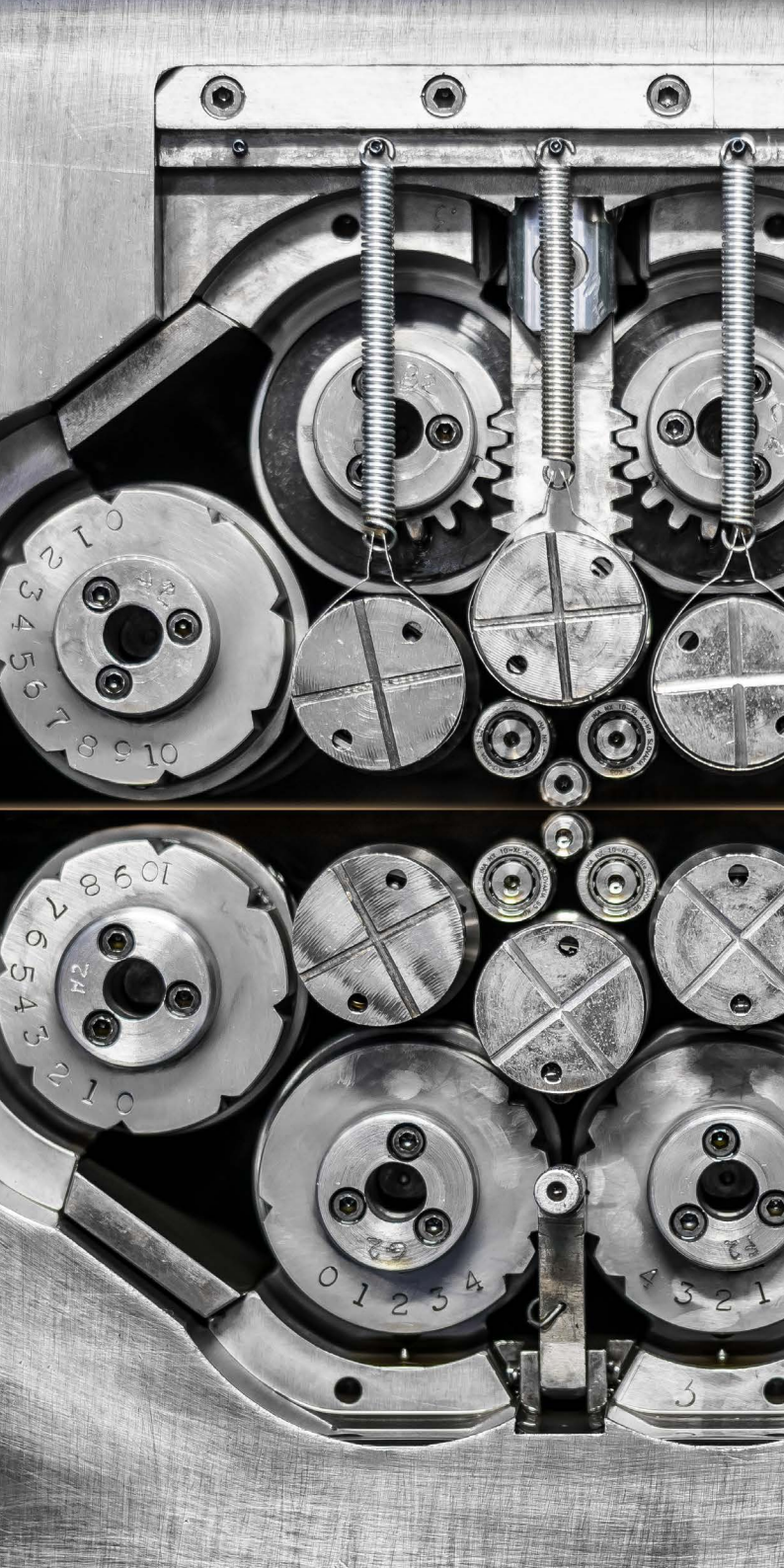
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in coils of 1 kg - 50 kg - up to 200 kg or more

### **GRADES**

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stainless steel, spring steel, carbon steel and other alloys



## HIGH PRECISION COLD ROLLED STRIPS & FOILS

### DIMENSIONS

width: <1 - 230 mm

thickness: 0.0038 - 2.5 mm

### CORE COMPETENCIES

custom-made speciality products  
cold rolling • levelling • stretch bend-levelling  
brushing & polishing • heat treatment • slitting

- ultra-tight tolerances  
flatness, evenness, straightness, width, thickness
- special surface finishes, controlled surface roughness
- dedicated mechanical properties, narrow tolerances
- small MOQ for precise custom products

### GRADES

broad range of alloys and metals with emphasis on specialities from prime producers:

- copper and nickel beryllium, BrushForm 158<sup>®</sup>
- maraging steels: Durnico<sup>®</sup> - Phytyme<sup>®</sup>
- cobalt alloys: Phynox<sup>®</sup> - Duratherm<sup>®</sup> - MP35N<sup>®</sup>
- magnetic alloys: Mumetal - Supermimphy<sup>®</sup> - Supra50<sup>®</sup>
- non-ferrous and non-magnetic alloys:  
copper, brass, nickel silver, bronze and durnomag
- titanium, nickel & stainless steel, etc.



## **COLD ROLLED PRECISION FLAT WIRE STUDERINOX®**

### **WIDTH**

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0.20 - 10 mm

min. tol. +/- 0.008 mm

### **THICKNESS**

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0.050 - 2.50 mm

min. tol. +/- 0.001 mm

### **ROLLING RATIO**

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up to 1:50 (thickness/width)

### **TENSILE STRENGTH**

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200 MPa up to 2'200 MPa - depending on alloy

### **EDGE FINISHING**

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for design see page 19

### **PACKAGING**

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traverse/oscillate wound spools

spools 1 kg - 5kg - 50 kg - up to 400 kg

### **GRADES**

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stainless steel, non-ferrous alloys and special alloys

other dimensions or narrower tolerances upon request.



**JACQUES  
ALLEMANN**

**NOTZ**group PRECISION DRAWN WIRE

## COLD-DRAWN BARS & WIRES IN HIGHEST PRECISION

### BARS

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Ø 0.15 - 4 mm

length: 1'000 - 5'000 mm

### ROUND WIRE

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Ø 0.005 - 4 mm

min. tol. +/- 0.5 micrometers (µm)

### MICRO FLAT WIRE

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width: 0.05 - 4 mm

thickness: 0.010 - 2 mm

### AXES

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Ø 0.05 - 4 mm

length: 5 - 999 mm

### SPECIAL PROFILES

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$A_{\min}$ : 0.50 mm<sup>2</sup>

wires, bars or axes

$A_{\max}$ : 6.00 mm<sup>2</sup>

### PACKAGING

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precisely wound on spools or coils

5 gr - 20 gr - 100 gr - up to 50 kg or more

### GRADES

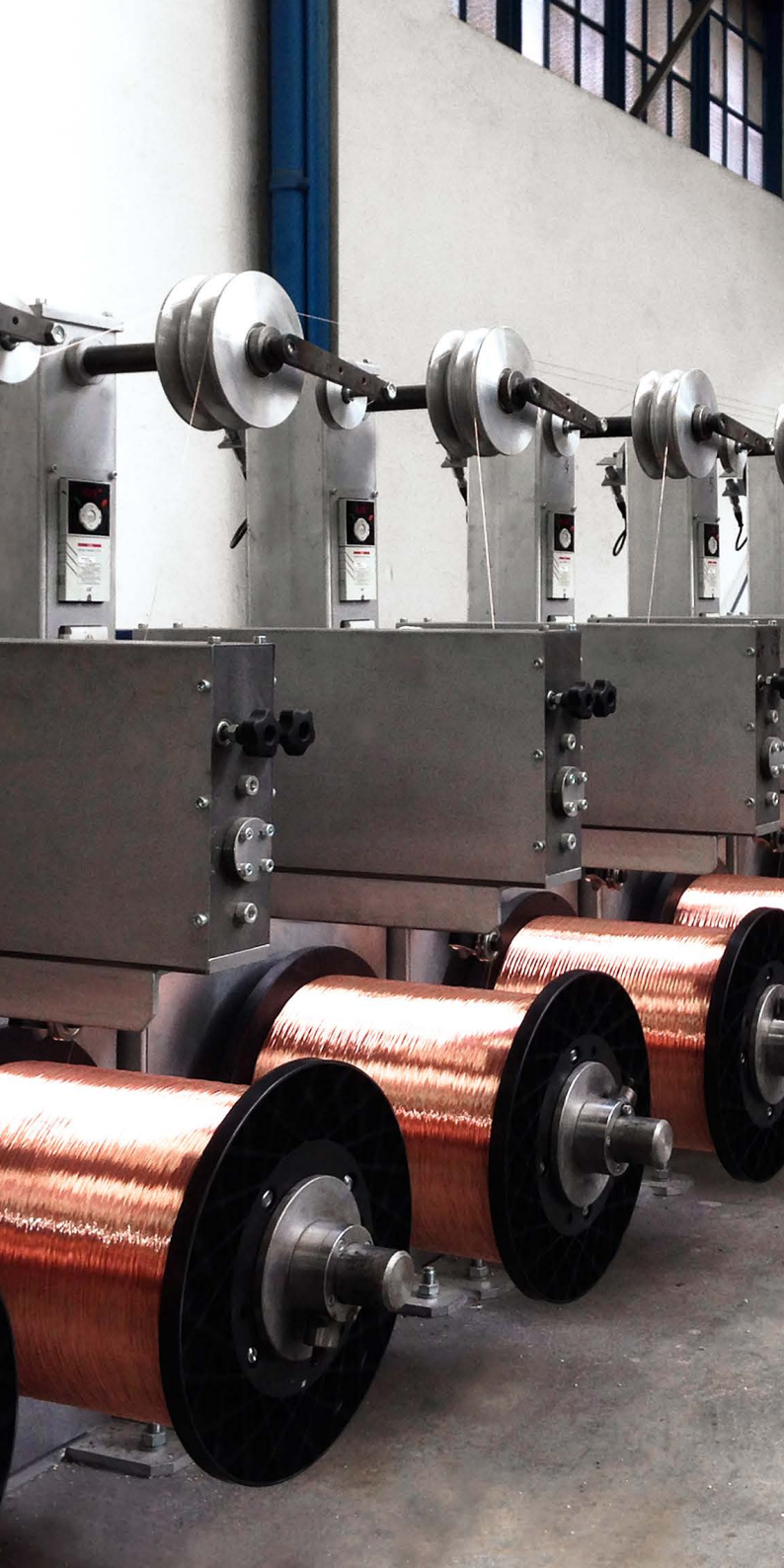
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stainless steel, carbon steel, non-ferrous metals, titanium, cobalt alloys, Phynox®, Nivaflex®, tungsten, precious metals and all cold-workable alloys (e.g. 1.4452), lead-free brass

tensile strength according to customer specifications

**More than 250 different alloys in stock!**





## **ELECTROLYTICALLY COPPER PLATED WIRE, DRAWN WIRE & FLAT WIRE**

### **ELECTROLYTICALLY COPPER PLATED ROUND WIRE**

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Ø 0.20 - 2.10 mm

with optional annealing

layer thickness 1 - 10 µm

### **DRAWN ROUND WIRE**

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Ø 0.10 - 1.4 mm

tensile strength

packaging

steel grades

min. tol. +/- 0.001 mm

500 MPa up to 2'500 MPa

traverse/oscillate wound spools

2 kg - 10 kg - 50 kg - or more

carbon steel, spring steel

(also copper plated)

stainless steel, special alloys

### **COLD ROLLED FLAT WIRE**

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profile

tensile strength

edge finish

steel grades

coatings

width max. 12.0 mm

thickness min. 0.20 mm

500 MPa up to 2'200 MPa

natural rolled edge

carbon and stainless steel

galvanized, coppered,

phosphated

as well as:

knitted flat wire mesh





## LABORATORY SERVICES

### TENSILE STRENGTH TESTING

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with load cells of 500N, 5kN or 10kN (acc. to EN 10002-1)

$$R_{p0.2} / R_{p1.0} / R_m$$

### HARDNESS TESTING

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Brinell HB (EN 6506-1), Vickers HV (EN 6507-1)  
Rockwell HRC (EN 6508-1), micro hardness and  
hardness curves, EHT

### ROUGHNESS MEASUREMENT

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$$R_a / R_z / R_{max}$$

### METALLOGRAPHIC ANALYSIS

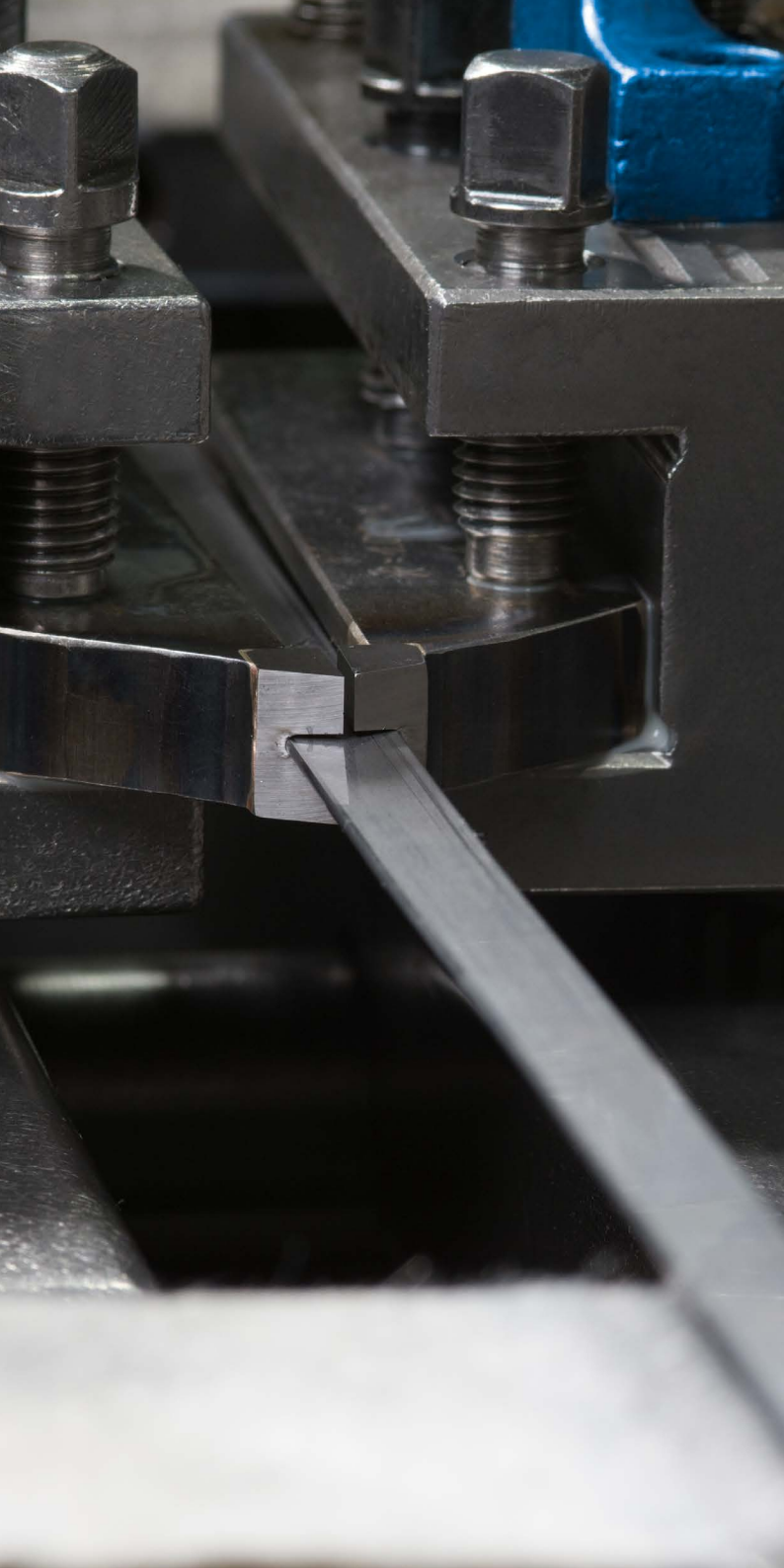
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- qualitative assessment of structures
- particle size determination
- determination of non-metallic inclusions
- inspection of welding seams

### CHEMICAL ANALYSIS

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- testing for intercrystalline corrosion acc. to EN3651-2
- copper sulphate/sulphuric acid method (Strauss test)  
with sample processing and various forms of heat treatment
- C (carbon), S (sulphur) and ferrite content determination
- complete spectrometric analysis of materials
- dye penetration testing (DPT)



## EDGE ENGINEERING

### PRECISION FLAT WIRE & NARROW STRIP

EDGE FINISHING	FLAT WIRE	STRIP	
natural rolled edge [NK]	+/- 0.050 mm	n/a	<input type="checkbox"/> NK
side rolled edge [TK]	+/- 0.030 mm	n/a	<input type="checkbox"/> TK
slit edge [GK]	n/a	+/- 0.10 mm	<input type="checkbox"/> GK
deburred edge [EK]	n/a	+/- 0.05 mm	<input type="checkbox"/> EK
cut round edge [AK]	+/- 0.020 mm	+/- 0.03 mm	<input type="checkbox"/> AK
special edge [SK]	+/- 0.008 mm	+/- 0.03 mm	<input type="checkbox"/> SK





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