

EVERYTHING. FOR THE BEST SOLUTION.



# LASER XL+

## NEW DIMENSIONS IN PRECISION, QUALITY & FLEXIBILITY

SCHOELLERWERK.DE



FASTER. MORE PRECISE. MORE FLEXIBLE.  
THE MOST ADVANCED LARGE-DIAMETER  
LASER WELDING SYSTEM IN ITS CLASS.

**SCHOELLER**

## WELCOME TO SCHOELLER

Since 1827, Schoeller stands for premium quality and the highest standards. As one of Europe's leading manufacturers of welded and redrawn stainless steel tubes, we know what matters: precisely tailored products and services for our customers.

1827

## PRECISION IN A NEW DIMENSION WITH THE LASER XL+

With the Laser XL+, Schoeller manufactures longitudinally welded large-diameter tubes with the highest precision – laser cut, end-finished, and fully automatically packaged. The result: flawless surfaces without scratches, extremely tight tolerances, and reproducible premium quality for the most demanding applications such as heating technology, heat exchangers, hydrogen, or chemical industry.

### SCHOELLER BENEFITS & SERVICES



#### TIGHTEST TOLERANCES

Maximum precision in outside diameter and wall thickness, reproducible dimensional accuracy, and weld seam quality.



#### AVAILABILITY & RESPONSE TIME

Rapid changes in tube dimensions and optimized production processes enable short delivery times and high flexibility.



#### CONSULTING EXPERTISE

Direct access to our expert team for technical consulting, co-creation, and sample production – from the concept phase to series production.

### 100% QUALITY CONTROL

- 100% automated inspection of outside diameter, leak-tightness, and straightness
- Inline color marking and customer-specific labeling (incl. QR code)
- Surface finish inside & outside:  
 $Ra \leq 0.8 \mu m$ ,  $Rz \leq 10 \mu m$ ,  $R_{max} \leq 12 \mu m$
- precise, burr-free tube ends through laser cutting and deburring stations

### MATERIALS & TECHNICAL DETAILS

The Laser XL+ covers a precisely defined production portfolio. It is specifically designed for larger tube dimensions and the most demanding applications. The following specifications serve as a reference for this system. We look forward to developing further solutions in close collaboration with you.

#### GRADES

- Austenitic Stainless Steels
- Ferritic Stainless Steels
- Austenitic-Ferritic Stainless Steels

#### DIMENSIONS

- OD 65 – 127 mm
- WT 0.7 – 3.5 mm
- Fixed lengths 3,000 – 7,000 mm

#### STANDARDS / SPECIFICATIONS

- DIN EN 10217-7
- DIN EN 10312
- DIN EN 10357
- DIN 11866
- ASTM and ASME standards
- ASME BPE on request

#### INFO

Customized solutions and special requirements upon request. Everything. For the best solution.