

# PE-TRA<sup>®</sup>

TUBE END FORMING MACHINES

チューブ 端末加工機

**Custom Engineered  
Tube Forming Solutions**

**カスタム設計によるチューブ成形ソリューション**

Cost Optimization • High Efficiency • Superior Quality

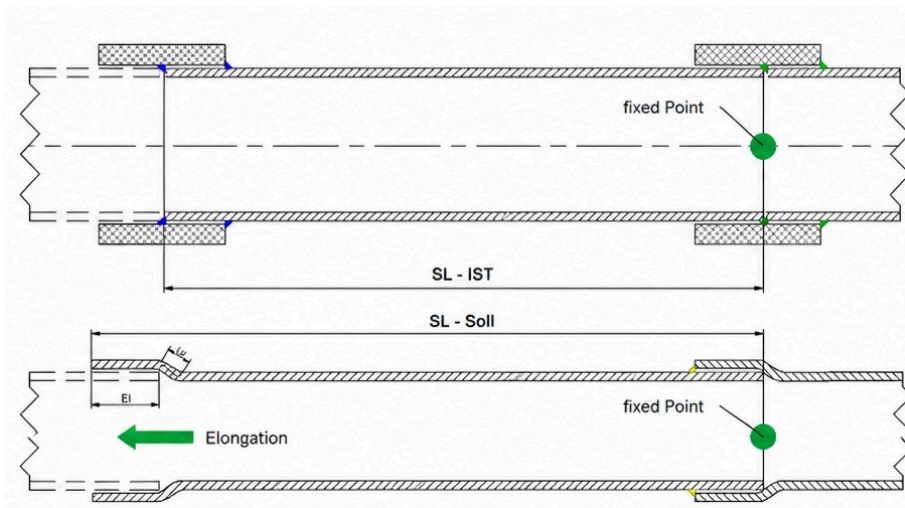
低コスト・高効率・高品質

[www.pe-tra.com](http://www.pe-tra.com)

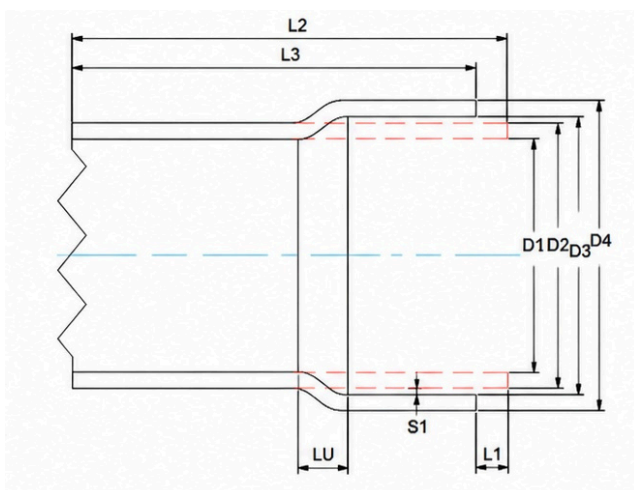
# PE-TRA<sup>®</sup>

## SRC Series

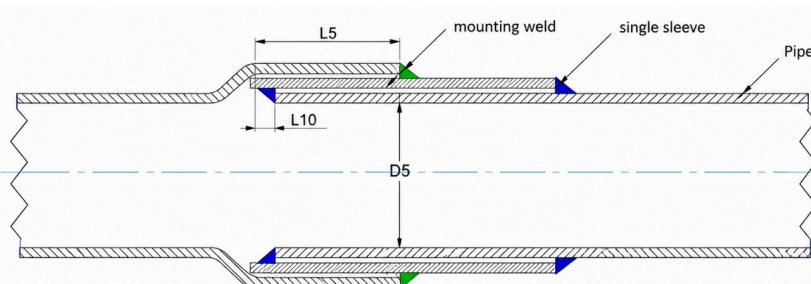
The SRC series of machines are industry-proven tube end expanding machines designed for precise, repeatable and cost-effective end forming operations. Built for high productivity and long-term reliability, SRC systems provide consistent expansion quality, reduced material usage and flexible adaptation to a wide range of tube dimensions and applications.



- Direct Tube Expansion Instead of Welded Sleeves  
直接拡管化
- Reduced Material Consumption  
材料コスト削減
- Minimized Welding Time  
溶接工程短縮
- Improved Manufacturing Efficiency  
生産性向上



- Tube Diameters up to  $\text{Ø}330$  mm  
対応パイプ径最大 $\text{Ø}330$  mm
- Wall Thickness up to 10 mm  
対応肉厚最大10 mm
- Expansion Ratio up to  $2 \times$  Wall Thickness  
拡管率最大肉厚の2倍
- Custom-Engineered Expansion Tooling  
カスタム設計拡管ツーリング



# Sleeve Welding vs. Direct Tube Expansion



- Reduced Material Consumption  
材料消費量の削減
- Reduced Welding Operations  
溶接工程数の削減
- Reduced Inspection Time  
検査時間の短縮
- Improved Process Efficiency  
工程効率の向上
- Higher Production Throughput  
生産処理能力の向上



**時間** 節約

SAVE TIME

**費用** 節約

SAVE MONEY

**材料** 節約

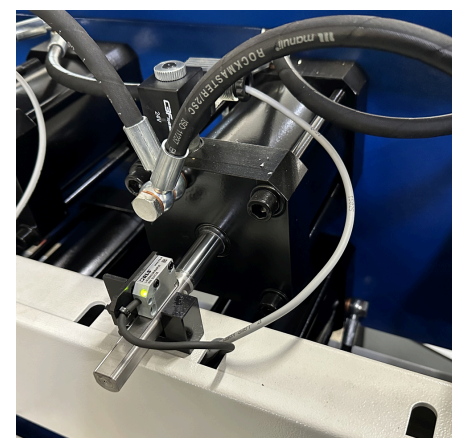
SAVE MATERIAL

**労力** 節約

SAVE LABOUR



- Optional Encoder-Based Stroke Control  
オプションのエンコーダ式ストローク制御
- Full Process Monitoring & Data Acquisition  
全工程監視およびデータ収集
- Rapid Expansion Cycle Time  
高速拡張管サイクル時間



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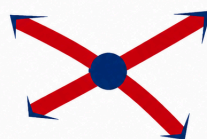
TUBE END FORMING MACHINES

チューブ 端末加工機

CORPORATE OFFICE AND WORKS

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Selected industrial references and partners



MARFIN management s.a.m.

