

PRECISION FORMING AND COMPACTING ROLLERS

THE Machines in conjunction with Pro Tool AG, manufactures high precision components and parts for a wide variety of industries and applications:

Utilizing advanced simulations & engineering, high precision manufacturing, proprietary hardening know-how as well as dedicated in-house roll scanning technologies assure excellent roller quality, performance and product longevity.

The Rollers exhibit excellent concentricity and surface properties to not damage the forming substrate. Rollers can be supplied with various surface hardening treatments. THE Machines' expertise in FEA roll geometry and forming bench design combined with Pro Tool AG's experience, allows us to provide a variety of services to improve customers' forming processes.



Features & Benefits

- Design and Engineering support
- Excellent Roller Concentricity
- Customer bespoke roller manufacturing
- In-house roll testing with scanning
- Bench / Stations assembly

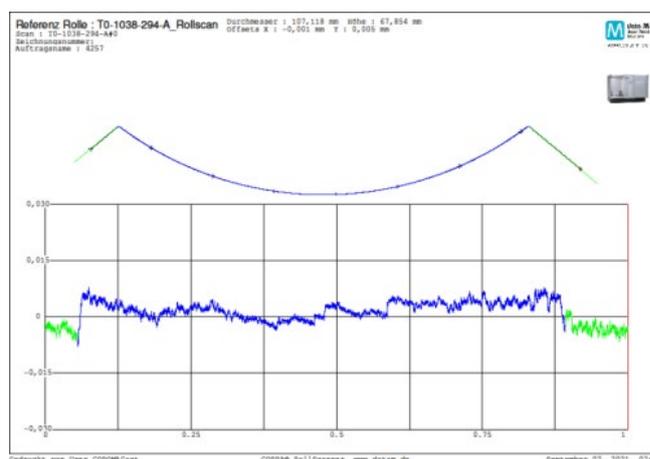
Technical data

Wide range of Roller materials

- Stainless Steel, Copper, Brass
- Plastics based solutions
- Proprietary or customer bespoke hardening

For Tube/Pipe Roller Dimensions

Diameter	Ø1.5 - 90 mm
Tape Thickness	0.05 - 2 mm
Alloy substrates	Aluminium (also coated tapes) Stainless Steel Copper (also coated tapes) Other alloys on request



Typical End-Applications

- Multilayer Composite Pipe Forming Benches and Compacting Units
- Micro pipes for Automotive, Aerospace, Medical and Industrial tube
- Wire & Cable pipe and alloy cladding
- Alloy Profile applications

QA/Testing

- Data-M / COPRA roll scanning
- Tesa Vision systems
- Forming Bench Rollers Test Protocol
- Individual roller test reports