



AACHENER MASCHINENBAU GMBH

AMBA



SPOKE REDUCING MACHINE – DD 350-II

For the production of butted spoke blanks made of stainless steel for bicycles and e-bikes, we supply our **Spoke reducing machines – DD 350-II** as complete solutions. Unwinding from the coil to the single or double butted and straightened spoke blank.

Typical for AMBA – all production steps are also combined in one machine for the spoke reducing machines.

TOP

Highlights

- ⇒ Throughput of up to 40 pieces per minute
- ⇒ Manufacturing of single or double-buttet blanks possible
- ⇒ Achievable tolerances
Roundness < 0.03 mm
Straightness < 0.05 mm
- ⇒ Possible reductions e.g. of
3.0 → 2.6 mm
2.6 → 2.3 mm
2.3 → 2.0 / 1.8 mm
2.0 → 1.8 / 1.5 mm
- ⇒ Reduced set-up times by replacing the complete "tool fixture" module
- ⇒ Central lubrication system

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- The process used to reduce the wire diameter is carried out by servo-controlled forming rollers.
- For unwinding from the coil, a driven wire decoiler and then a roll straightener are connected upstream.
- For the feed, two servo-controlled ball screw spindles are moving the clamping units on slides.
- To achieve exact straightness, the wire, which has been reduced in sections, passes through a rotating straightener.
- Finally, the blank is cut to the preset length
- Central control panel incl. recipe management and separate control box for setting up the process

