MAZZOLA ENGINEERING / OEMB recently delivered the second tubemill equipped with its newely developed Drive System ***„Multi-Synchdrive“™***.

The machine, producing welding rod of just 1.2 mm O.D. reduced from the original 9.0 mm. is equipped with 22 AC motors. The independent drives allow compensation of variable material elongation produced during the reduction process while constantly maintaining perfect speed synch and steady grip on each roll. Production speed is a healthy 150 MPM. The system, controlled by a PC and proprietary software developed in-house by OEMB, allows both torque and/or speed synchronising of the single drives.
The AC-motors are directly fitted to the roll shafts without need of gearbox-reducers and universal joints.
The production process starts with forming of a 9.0 mm OD tube which is filled with welding powder and subsequently sqeezed closed and reduced to its final OD.

Multi-Synchdrive can be applied to any conventional tubemill at a cost lower than a common 1 or 2 motors driving system. A version to be applied to tubemills equipped for quick-changeover is also available.

MAZZOLA ENGINEERING

Mechanical Engineers & Consultants since 1976

MAZZOLA ENGINEERING / OEMB

„Multi-Synchdrive ” ™

A new Drive Concept for Profiling Mills

Multi-Synchdrive ™ Systems‘ Main Features

- Digital Torque and/or Speed Synch of up to 128 Drives
- Low RPM / High-torque / High-power AC Motors
- Direct Drive without Gear Boxes and Universal Joints
- Independent of Roll-Tooling and Tube Diameter
- Ideal for In-Line Reduction
- High-rate Synch-Check
- Zero-Slip: Improves Product Quality and Roll-Tooling Life
- OEMB-Proprietary Software easily adaptable to particular requirements


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