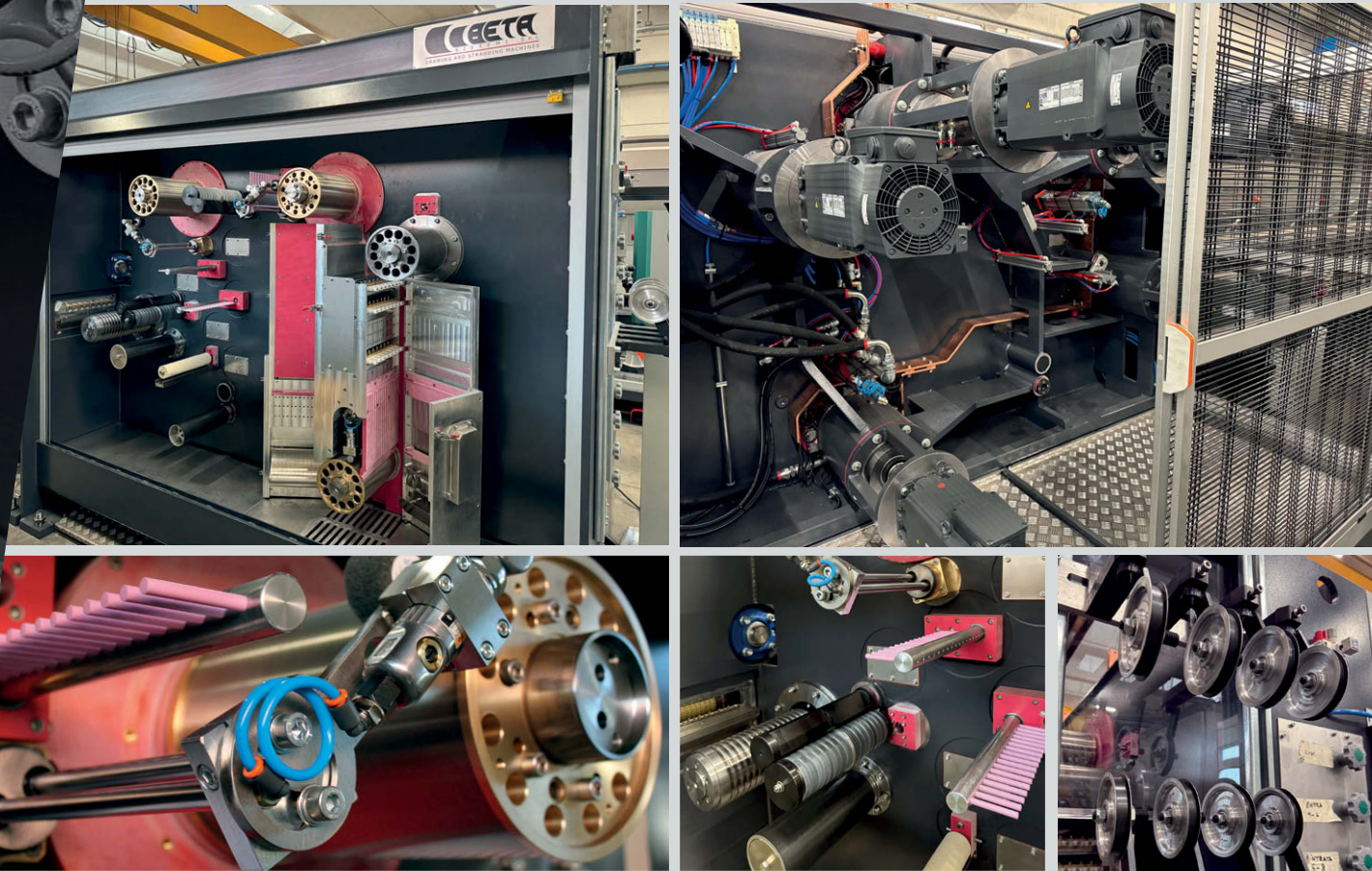


AW CONTINUOUS ANNEALERS

A comprehensive range of multiwire annealers designed for seamless integration with MB drawing machines, offering optimized performance for various wire sizes and power requirements.

- Highly stabilized DC annealing current, accurately regulated from 0 m/sec speed for optimal results.
- Thick nickel-coated cylinders, engineered for multiple machining processes and long-lasting use.
- Includes a wire-shifting device and advanced cleaning systems for the contact sheaves, ensuring consistent performance.
- Ultra-short electrical collectors minimize power dissipation, reducing energy waste.
- Integrated brush wear control system for optimized maintenance and extended lifespan.
- Available with either AC motor and flat belt transmission or individual motors for each shaft for customized efficiency.
- Built-in coolant tank simplifies installation, allowing for faster and easier setup.
- Tailored solutions designed specifically to meet the unique requirements of electroplated wire processing.



MODEL	AW16	AW20	AW30
PROCESSING MATERIAL	Cu: bare / electro-plated	Cu: bare / electro-plated	Cu: bare / electro-plated
NUMBER OF WIRES	8 / 16 / 24 / 28 / 32	8 / 16 / 24 / 28 / 32	8 / 16 / 24 / 28 / 32 / 48
MAX SPEED	36 m/sec	40 m/sec	40 m/sec
WIRE DIAMETER	0.10 ÷ 0.50 mm	0.15 ÷ 1.05 mm	0.25 ÷ 1.35 mm
ANNEALING CURRENT	1000 ÷ 2000 Amp	2500 ÷ 3200 Amp	4000 ÷ 7000 Amp
ANNEALING RINGS Ø	160 mm	200 mm	300 mm

MULTI WIRE DRAWING LINES

Discover the perfect equipment to match your production needs within our extensive range of multiwire drawing machines and annealers. Our systems are specifically designed to enable low-cost manufacturing of flexible and semi-rigid conductors, as well as screening wires made from:

- Bare copper
- Aluminum
- Tin/silver-coated copper
- CCA wires (Copper-Clad Aluminum)

Our state-of-the-art multiwire line is equipped with advanced limited-slip technology, a revolutionary breakthrough pioneered by our highly skilled Technical Team. Leveraging our deep industry expertise, we have played a key role in shaping this innovation and setting new benchmarks for performance and efficiency.

BETASISTEMI PLATFORM

PAY - OFF

DRAWING MACHINES

MB16
FLEX CONDUCTORS
8 - 24 wires

MB24
HIGH PRODUCTIVITY
24 - 48 wires

MBM
INTERMEDIATE WIRES
8 - 16 wires

ANNEALERS

AW 16
THIN WIRES
8 - 32 wires

AW 20
MEDIUM WIRES
8 - 32 wires

AW 30
HIGH CAPACITY
8 - 48 wires

TAKE UPS

BMC SMS
MANUAL
SPOOLERS

BAS
AUTOMATIC
SPOOLERS

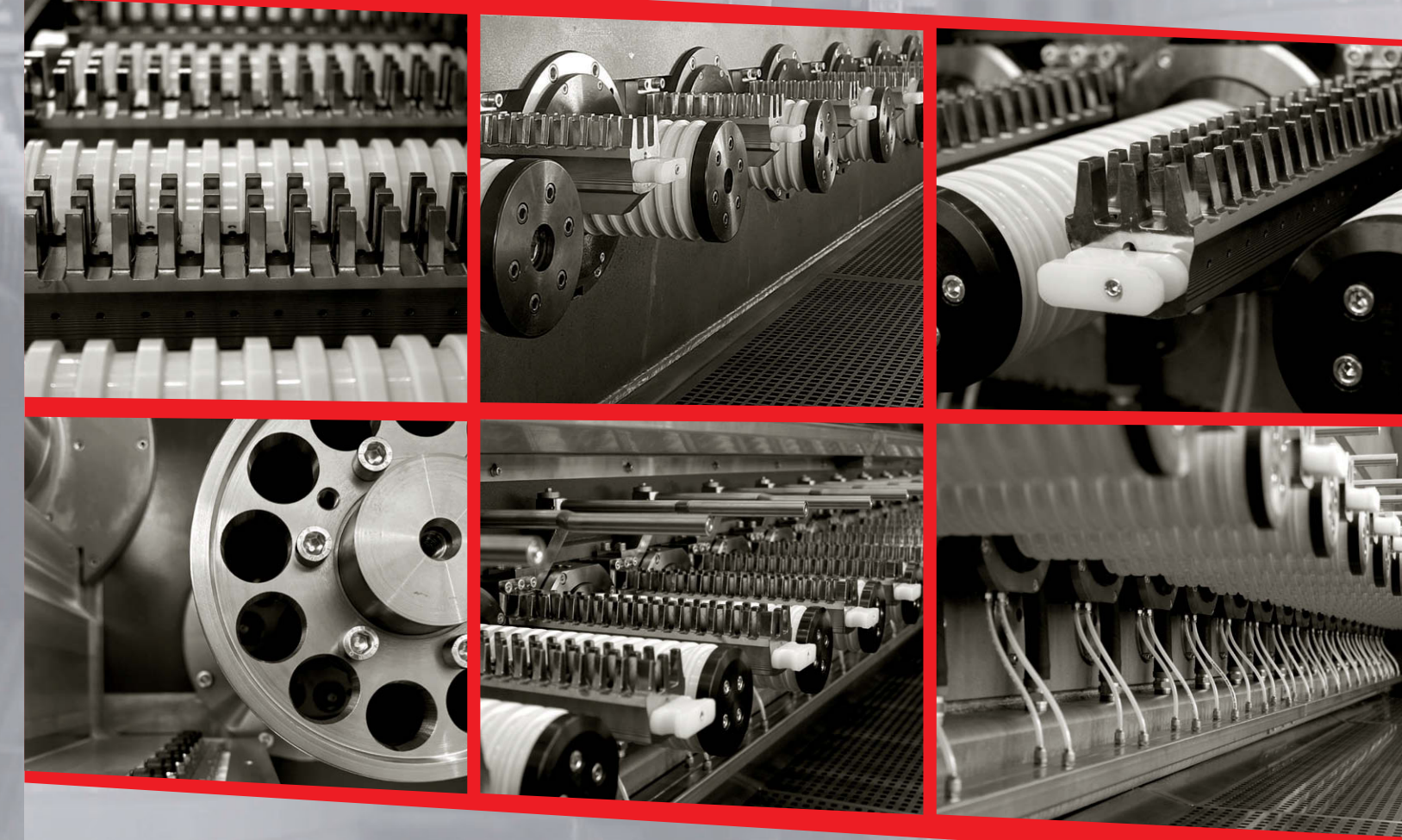
BST
STATIC
SPOOLERS

MODEL	MB16	MB24	MBM
PROCESSING MATERIAL	Cu - Al - CCA	Cu - Al - CCA	Cu - Al - CCA
NUMBER OF WIRES	8 / 16 / 24	24 / 28 / 32 / 48	8 / 16
MAX SPEED	36 m/sec	36 m/sec	40 m/sec
MAX PRODUCTIVITY (*)	10,000 Ton/year	28,000 Ton/year	22,000 Ton/year
MAX INLET DIAMETER	2.00 mm	2.00 mm ÷ 2.60 mm	2.00 mm ÷ 2.60 mm
N° OF DRAFTS	14 - 31	17 - 24	14 - 18
OUTLET DIAMETER	0.10 ÷ 1.05 mm	0.15 ÷ 1.35 mm	0.32 ÷ 1.35 mm
COMBINABLE ANNEALER	1000 ÷ 3200 Amp	2500 ÷ 7000 Amp	4000 ÷ 7000 Amp

(*) 7200 h/y - 80% efficiency



MULTIWIRE DRAWING LINES



MB16 FLEXIBLE LINE

A state-of-the-art multiwire drawing system designed for the production of fine and medium wires used in flexible cables, with the possibility of extension to intermediate wire sizes.

- One row of capstans: up to 24-wires.
- Multiple versions available, each tailored to specific production needs.
- Quick-change die system for fast and easy adjustments.
- Refined gear ratio minimizes slip and reduces energy consumption.
- AC motor drive is directly coupled to the gear transmission without any belt.
- Advanced mechanical labyrinth seal with multi-chamber drainage, ensuring a secure separation between the drawing chamber and gearbox.
- Hydraulically controlled watertight front guard for automatic opening and closing.

The MB16 model is the most flexible and cost-effective solution for producing Class 5 conductors, optimal capital investment and low operational costs.

MB24 HIGH PRODUCTIVITY LINE

A powerful multiwire drawing system with 2 rows of capstans, engineered for high-speed operations and large-scale production of medium-sized wires, with capabilities of handling up to 48 wires simultaneously.

- Up to 24-wires in one row of capstans.
- Possibility of dual-row capstan configuration with separate haul-offs ensures perfectly straight and aligned wires.
- Electro-welded, stress-relieved steel frame.
- Independent main power chain with oversized helical gears, built for long-term heavy-duty operation.
- Advanced Lubrication System for high-speed drawing, ensuring efficient heat dissipation.

The MB24 model can also be adapted for high-speed production of intermediate wires, making it an ideal choice for Class 2 conductor manufacturing.

MBM INTERMEDIATE LINE

The MBM multiwire drawing machine is specifically designed for Class 2 conductors and power cable screening, featuring limited-slip technology for optimal efficiency and durability.

- Capstans driven by individual motors thank to the limited-slip technology.
- Longer lifespan for drawing capstans and dies.
- Low noise levels without requiring a soundproof enclosure.
- Variable elongation per draft for superior adaptability.
- Bypass unusable capstans to keep production running.
- Simpler, faster, and less expensive maintenance.

The MBM model is the ideal solution for mass production of intermediate wires, delivering exceptional efficiency at the lowest operational costs.

