



SAMP SISTEMI

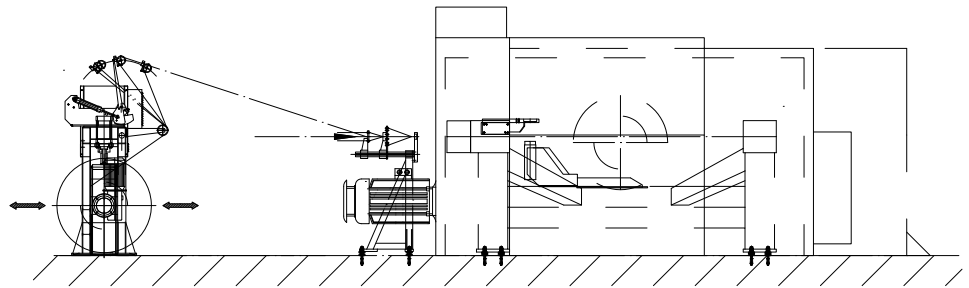
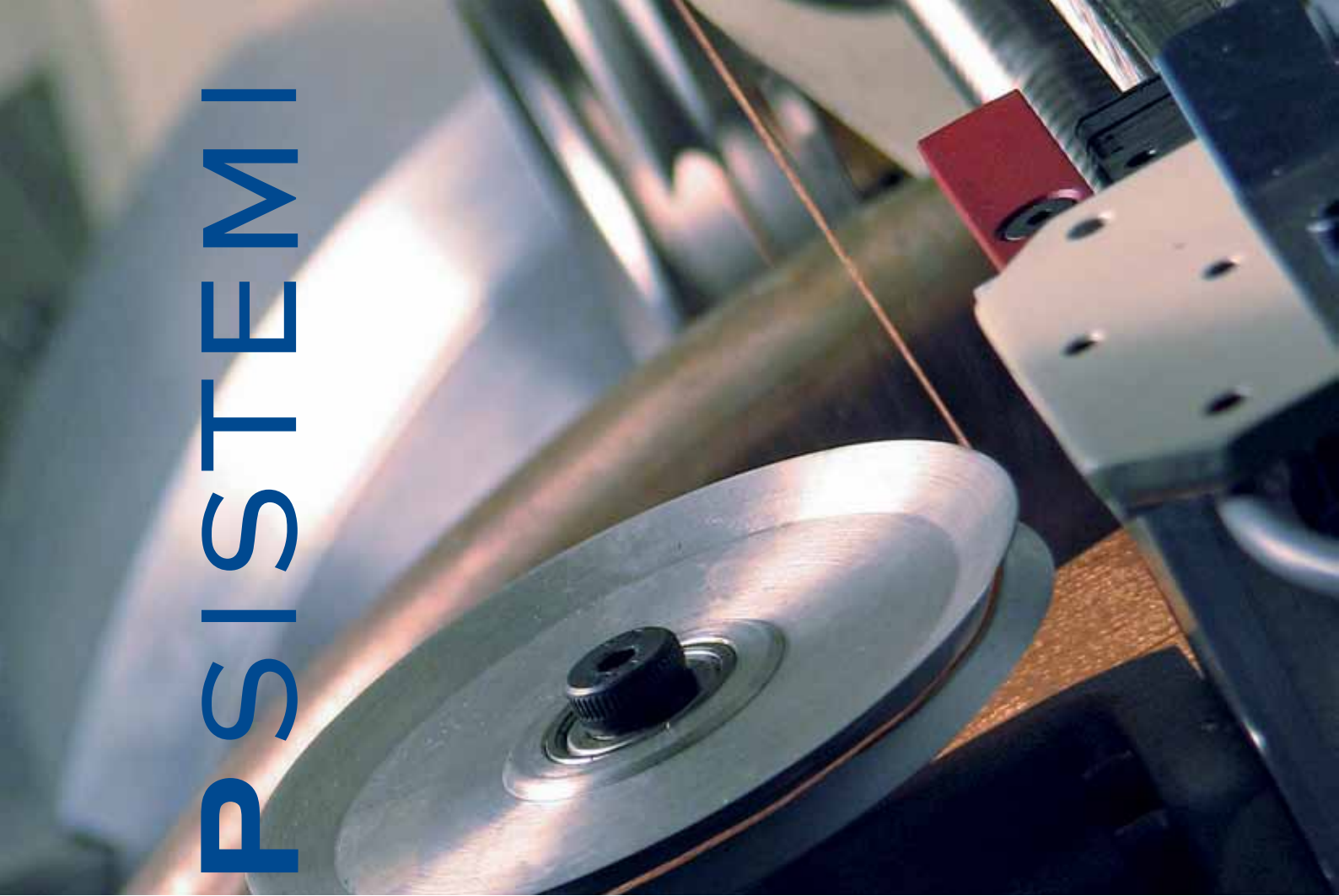


Wire and cable
bunching / laying-up

SAMP SISTEMI



Sampsistemi 2



Line composition

Static Pay-offs	Dynamic Pay-offs	Double twist bunching machines
SV 1000 SM	SV 1250 DM	BM 1250
SV 800 SM	SV 800 DM	BM 1000
SV 630 SM	SV 630 DM	BM 800
		BM 630
		BM 560
		BM 2x355

Maximum line performance

Sampsistemi supplies a complete range of double-twist bunchers to strand copper, aluminium and relevant alloy wires and lay up insulated conductors.

Sampsistemi bunching machines guarantee best product quality in high performance lines.



Advantages at a glance

SAMP

energy
efficient

- + Compact design
- + Low energy consumption thanks to high performance motors and bows
- + Large diameter ceramic rotor pulleys protected from air turbulence
- + Accurate control of take-up pull and of the main machine functions
- + Limited number of brush collectors
- + Sampsistemi tube-type closed bows available (better resistivity and lower consumption)

Double-twist bunching machines from "the point of view of the strand"

Our double-twist bunching machines are designed with a view to produce less stressed strands at increasingly higher speeds, i.e. to produce more efficiently and with higher quality.



BM Series

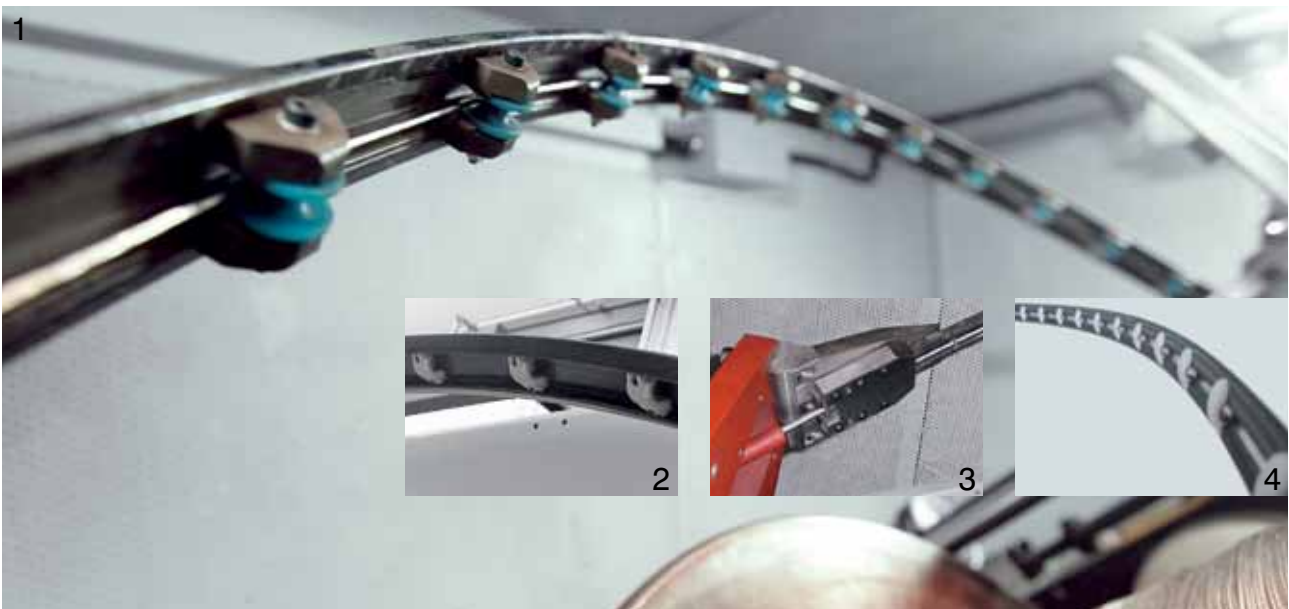
	BM 2x355	BM 560	BM 630	BM 800	BM 1000	BM 1250
Cross section (mm ²)	0.0085 - 0.38	0.035 - 2.00	0.1 - 6.0	0.5 - 10.0	2.5 - 35.0	1-100
Class	5, 6	2, 5, 6	2, 5, 6	2, 5, 6	2, 5	2, 5
Insulated cores outer dia., max. (mm)	-	-	-	6	10	25
Linear speed, max. (m/min)	130	300	300	300	250	300
Twists/min, max. (tpm)	10000	7000	6000	5000	2700	2000
Reel dimensions, max./min. flange (mm)	355/100	560/250	630/400	800/500	1000/800	1250/800

Low energy consumption bows

With their special tube-like shape, Sampsistemi bows minimise specific contact pressure, assuring a top quality finished strand.

With no nuts, bolts, or eyelets, no machine maintenance operations are required. The risk of bow damage in case of wire breaks is reduced to a minimum.

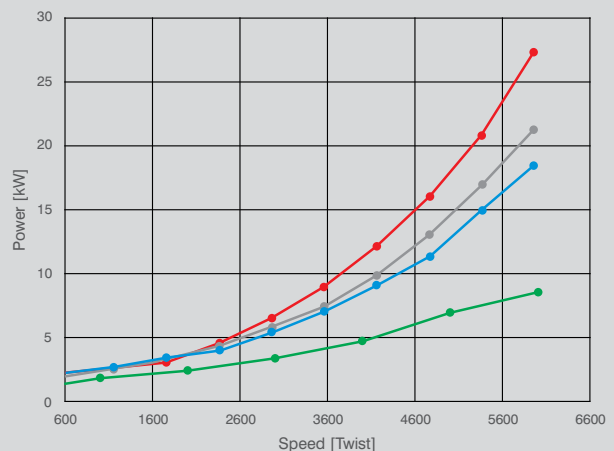
Our machines are characterised by a great flexibility and are suitable for any kind of bow supplied by major producers worldwide.



1. Bow with rollers for aluminium wire (in photo a BM630)
2. Open bow standard type with ceramic eyelets
3. Closed tube-type external
4. Low energy consumption bow

BM630 Power consumption [kW] vs Bow type

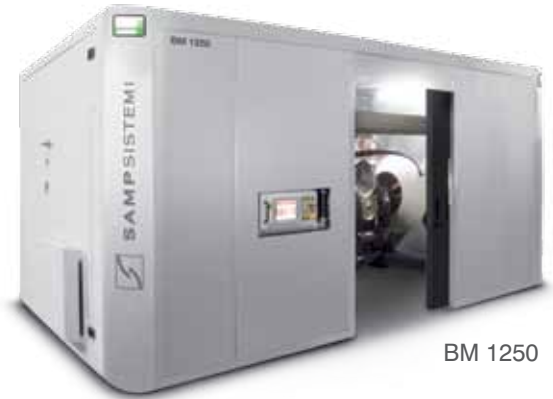
- Open Bow - Standard
- Open Bow - For small cross section
- Open Bow - SAMP Bow
- Closed Bow - Tube type



High performing double-twist bunching machines BM 1250

BM 1250

- + Wide range of production for bare copper, aluminium and insulated cores
- + High performances (up to 2000 tpm)
- + Compacting up to 50 mm²
- + Constant tension control by dancer
- + Radio transmission of drive parameters
- + On board hydraulic unit and electrical cabinet for compact design
- + Special aerodynamic guards for bows for drastic reduction of consumption



BM 1250



BM 1250 Frontal view



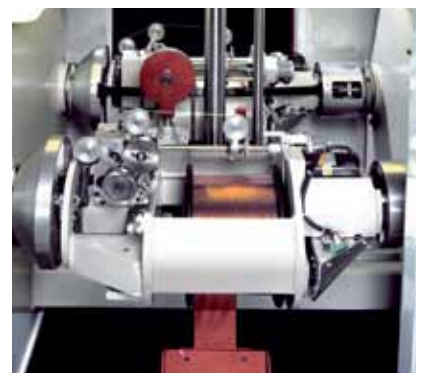
Close up on dancer

Standard double-twist bunching machines BM 800, 630, 560, 355

The Sampsistemi double-twist bunching machines are easy-to-maintain, high-performance and compact machines with low consumption rates. All machines are equipped with PLC control.

Sampsistemi bunching machines are completed by a specific range of motorised static and dynamic pay-offs, as well as equalizers and compacting devices.

- + Operator panel with “real time” process data
- + Open or closed bows
- + Constant lay-length (gear type)
- + Pneumatic pintles
- + Motorised wire-guide adjustment
- + Load cell
- + On-board control panel available
- + Plug and play
- + Mechanic traverse (UHING type)
- + Low maintenance (reduced wearable parts)



BM 630

Pay-off solutions for single & multi-wire



Dynamic

- + Dynamic motorised pay-offs
- + For reels up to 1250 mm
- + Integrated loader/unloader available
- + Built-in pneumatic dancer for constant tension control
- + Easy reel handling: no forklift needed
- + Wire break detector
- + Wire separation device for 7-19 Unilay strand

Static

- + Static flyer-type motorised pay-offs
- + For reels up to 1000 mm
- + Built-in pneumatic dancer for constant tension control
- + Wire break detector





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