

Rotating Machines Roundup

rotating machines for the energy cable industry.

“Conductor manufacturing (stranding) machines include rigid stranders for round, sector, Milliken, underground or aerial conductors of any size; double-twist stranders: up to 400 mm² in unilay constructions of Cu and Al; and bow skip and tubular stranders: up to 19 wires of Cu, Al, AAAC and ACSR.

“Laying up of insulated conductors (cabling) machines include drum twisters: the rotating take-up (up to 4,000 mm and 40 T) can incorporate many different options for round, sector, Milliken and many different applications; single and double-twist stranders: for reels up to 2200 mm is a faster alternative to drum twisters; bow skip stranders: very high speed machine to cable insulated conductors up to 240 mm²; and SZ stranders: very efficient strander for specific applications of small size conductors.



Drum tester 4000 mm for Milliken conductors up to 3000 mm² from C.M. Caballé.

“Some cables have to be screened with copper wires or armored with steel wires before the final sheathing. Machines with screening include rigid stranders: for screening medium and high voltage power cables; drum twisters and single-twist stranders: suitable for screening and armoring; SZ screening: very efficient solution for small wires; and planetary stranders: the highest quality strander for high tensile strength wires.” www.cmcaballe.es

Latest-Technology Rigid Strander

Alok Jain, Executive Director, **Associated Engineers & Industrials Ltd. (AEI)**, Ajmer, India, says, “AEI has 40 years of expertise in manufacturing of high-technology stranding machines for the production of medium, high and extra-high voltage power cables.

“In recent years, the company’s focus has been singularly on the perfection of rigid stranding machines. The result is the latest line of reliable and versatile ASRB Stranding Machines suitable for manufacture

of highly compacted conductor (die and roll), sector shaped (Milliken) conductor and round/preshaped wire (TW) overhead conductor.

“The latest strander designed for complete flexibility has the following features:

- Motorized bobbin pintles requiring minimal maintenance.
- Auto regulated pneumatic braking mechanism settable at control desk.
- Instant wire breakage detection displayed at control desk.
- Fast row loading hydraulic system dedicated for each cage.
- Latest AC drives and PLC/Touch Panel control systems using Profibus & Profinet communication for complete line synchronization in case of power failure.
- Remote diagnostic assistance over telecom network.

“AEI’s strength lies in the total understanding of customer requirements and offering suitable products ranging from the largest stranders in the world (128 Bobbins Rigid Stranding Machine for 500 kV cables) to the highest productivity stranders.



AEI Latest Technology Rigid Strander.

“Our machines are designed with years of customer feedback and utilize sophisticated systems but are at the same time easy to use. We have a ‘no compromise’ policy to source the best available inputs from around the world and exacting workmanship to create machines that deliver decades of trouble free operation.” www.aeimachines.com

SZ Stranding Lines for Fiber Optic Cable

Information from **Rosendahl Maschinen GmbH**, Pischelsdorf, Austria, says, “Rosendahl Maschinen GmbH is a world-leading turnkey solutions provider for the worldwide cable, fiber and tube industries. The company provides SZ stranding lines for use in