



COIL WINDING TECHNOLOGY LINE

CBF 2000

dominocommunication.it

The ultimate innovation
in Wire Constant Tension Feeding

ADVANCED HIGH-TECH SOLUTIONS FOR COIL - WINDING PROCESS CONTROL

CFW (Coil - Winding Feeder), is one the latest results from **BTSR INTERNATIONAL**, a worldwide leading company in the design of high tech solutions and innovation development in a wide variety of industrial sectors.

CFW represents a revolutionary new generation **Wire Constant Tension Feeding device**, unique in terms of functionality and performance, capable of adjusting with utmost accuracy the tension of the finest wire range in coil winding processes.

An innovative Solution based on the **BTSR Dual-Drive Feeding System, Tension Profiler Function and Double Loop Control System** bringing new and unique measurable benefits in terms of TOP Quality Control and Production Efficiency in coil winding processes.

Technical Features

- Programmable tension range 5 g ÷ 2000 g (cN) with resolution 1g - 0,5 g ÷ 200 g (cN) with resolution 0,1 g.
- Wire diameter range from 0,01 mm up to 0,6 mm [58 - 23 AWG].
- Wire tension set-up resolution 0,1/1 g.
- Feeding speed range 0,1 ÷ 25 m/s - 6 ÷ 1500 mt/min.
- LWA function: exact wire consumption measuring (Length Wire Absorption) with resolution of 0,1 mm.
- AUTO-LWA and alarm range setting - Tension LWA±1% upto ±25% - Meter LWA ±0,1 mt up to ±20mt.
- OEM machine computer interface, standard RS485, Canbus / optional Ethernet, Profinet / Others on demand.
- Ergonomic and small dimensions (325x251x70 mm).
- Power supply voltage 24VDC ± 10% - 24 VAC ± 20%.
- Special universal fixing support for easy and quick installation.



MATRIX TOUCH COIL

Centralized programming and monitoring
MATRIX TOUCH COIL controller and allows programming CWF and monitoring in real time the whole process production status in graphical form.

