



COIL WINDING TECHNOLOGY LINE

## MINITRON MEGATRON GIGATRON

**The first high load  
positive feeder**

Advanced High Tech Solutions  
for Coil and Motor Winding  
Process Control

dominocommunication.it

## THE ULTIMATE INNOVATION IN WIRE CONSTANT TENSION FEEDING

**MINITRON - MEGATRON - GIGATRON** are one of 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.

**MINITRON - MEGATRON - GIGATRON** represents a revolutionary new generation Wire Constant Tension Feeding devices, unique in terms of functionality and performances, capable of adjusting with utmost accuracy the tension of the wire in motor and coil winding processes.

An innovative Solution based on the **BTSR PATENTS** 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

DESCRIPTION	MINITRON	MEGATRON	GIGATRON
Display tension range	0 grams – 5.000 g (cN)	0 grams – 10.000 g (cN)	0 grams – 20.000 g (cN)
Programmable tension range	50 g ÷ 4.000 g (cN)	100 g ÷ 9.000 g (cN)	200 g ÷ 18.000 g (cN)
Programmable Tension resolution	10 grams	10 grams	10 grams
Wire diameter range	From. 0,08 Up to 1.038 mm 40 up to 18 AWG	From. 0,08 Up to 1,5 mm 40 up to 14,5 AWG	From. 0,12 Up to 2,25 mm 36,5 up to 11,2 AWG
Feeding speed range	0 ÷ 12,5 m/s 0 ÷ 750 mt/min	0 ÷ 12,5 m/s 0 ÷ 750 mt/min.	0 ÷ 12,5 m/s 0 ÷ 750 mt/min.
LWA resolution (meter)	1 mm	1 mm	1 mm
AUTO- LWA and alarm range setting	Tension LWA ± 1 % upto ± 25 % Meter LWA ± 0,1 mt up to 20 mt.	Tension LWA ± 1 % upto ± 25 % Meter LWA ± 0,1 mt up to 20 mt.	Tension LWA ± 1 % upto ± 25 % Meter LWA ± 0,1 mt up to 10 mt.
OEM machine computer interface Through SMDIN WEB COIL	Standard: RS485, Canbus Optional: Profinet, Ethernet IP, Ethercat Other on demand	Standard: RS485, Canbus Optional: Profinet, Ethernet IP, Ethercat Other on demand	Standard: RS485, Canbus Optional: Profinet, Ethernet IP, Ethercat Other on demand
Power supply voltage	48VDC ± 10%	48VDC ± 10%	48VDC ± 10%
Overall Dimensions (mm)	600 L x 126 W x 170 h	600 L x 126 W x 170 h	600 L x 126 W x 170 h
Minimum Air Pressure	4 bar	4 bar	4 bar
Weight	10,2 Kg	11,8 Kg	14,3 Kg



### MATRIX TOUCH COIL TERMINAL

Centralized programming and monitoring is possible thanks to **MATRIX TOUCH COIL** controller which will allow you to program and control MINITRON - MEGATRON - GIGATRON units and monitoring the whole process production status also in graphical form.

