



Fully Automatic Toroidal Winding Machine

Model ATW-1

ATW-1 is proudly presented by Jovil Universal. The latest revelation in winding technology and much sort after by the coil winding industry with the birth of the hands free toroidal coil production system, dreams of the coil winding industry have virtualized.

ATW-1 being an impeccable state of the art system is capable of winding the most unimaginable miniature toroidal coils. This latest invention increases the production output coupled with unmatched quality standards. This technological phenomenon eliminates the need for operators, thus saving thousands of dollars in manpower hours.

ATW-1 has put an end to endless frustrations, in most miniature coil applications restricted to count error prone hand windings. A darling among stressed production managers, design engineers and cost concerned managers, the ATW-1 rebukes applications with labor intensity. In style it delivers coils with utmost distinctive quality, which is yearned for in the coil winding industry.

ATW-1 with its user-friendly PLC control system and ease of programming makes a university education requirement a thing of the past. With its multi functionality, the ATW-1 displays are featured in both English and Chinese.

ATW-1 is a miracle that must be seen to be believed.



- Direct winding onto cores
- Ability to control winding speed
- Separate turns and rotator control
- Dual language option in English and Chinese, for programming and display
- Display the real-time status in a touch screen HMI
- PLC control system can store up to 1000 single programs. Each program can be edited with 10 different winding steps.
- Built in fiber optic turns sensor; double display, adjustable easily, utmost accurate, stability and reliability.
- Programmable pitch control for wire spacing programmed by the PLC

Specification / Capabilities

Maximum Wire Size: 0.5mm(24AWG)

Minimum Wire Size: 0.06mm(#42AWG)

Maximum O.D:30mm(1.180")

Minimum O.D:2.8mm(0.110")

Minimum I.D: 0.8mm(0.030")

Maximum Height: 10mm(0.394")

Wire Spacing: Programmable with Controller

Segment Winding: Programmable with controller

Progressive Winding: Programmable with controller

Rotator Motor: Hybrid Stepper Motor

Main Motor: Servomotor

Power Requirement: 220V, 50/60HZ

Winding Speed: Variable to 480TPM

Carted Dimension: 100X60X116cm 120KG



Fully Automatic Double Plate Toroidal Winding Machine Model ATW-2

Designed for high volume common mode choke applications

ATW-2 is proudly presented by Jovil Universal Zhongshan. The ATW-2 is the latest revelation in winding technology that is designed specially to wind common mode choke applications automatically. The ATW-2 is much sort after by the coil winding industry with the birth of the hands free toroidal common mode choke production system. Jovil Universal Zhongshan is the only toroidal winding equipment manufacturer in the world that is capable of this hands-free technology.

ATW-2 being an impeccable state of the art system is capable of winding the most unimaginable common mode choke toroidal coils. This latest invention increases the production output coupled with the unmatched quality standards. This technological phenomenon eliminates the need for operators, thus saving thousands of dollars in manpower hours and cutting the cycle time, down to fraction in comparison to semi-automatic machines.

ATW-2 has put an end to count error frustrations, experienced in almost all of the miniature common mode choke coil applications, wound manually. A darling among stressed-out production managers, design engineers and cost sensitive organizations, this wonder rebukes applications with labor intensity. In style, it delivers coils with the utmost distinctive quality, which is yearned for in the coil winding industry.

ATW-2 with its user-friendly PLC control system and ease of programming could easily be mastered by anyone. With its, multi functionality, the ATW-2 displays are featured in both English and Chinese.

ATW-2 is a miracle that must be seen to be believe.



- Both sections wound simultaneously
- Direct winding onto cores
- Ability to control winding speed
- Separate turns and rotator control
- Dual language option in English and Chinese, for programming and display
- Display the real-time status in a touch screen HMI
- PLC control system can store up to 1000 single programs. Each program can be edited with 10 different winding steps.
- Built in fiber optic turns sensor; double display, adjustable easily, utmost accurate, stability and reliability.
- Programmable pitch control for wire spacing programmed by the PLC
- Patent No: 201110203215.X
- Utility Model No: 201120256747.5

Specification / Capabilities

Maximum Wire Size: 0.5mm(24AWG)

Minimum Wire Size: 0.06mm(#42AWG)

Maximum O.D: 30mm(1.180")

Minimum O.D: 5mm

Minimum I.D: 2mm

Maximum Height: 10mm(0.394")

Wire Spacing: Programmable with Controller

Segment Winding: Programmable with controller

Progressive Winding: Programmable with controller

Rotator Motor: Hybrid Stepper Motor

Main Motor: Servomotor

Power Requirement: 220V, 50/60HZ

Winding Speed: Variable to 480TPM

Carted Dimension: 100X60X116cm 150KG