



ATW-II High Speed Winding

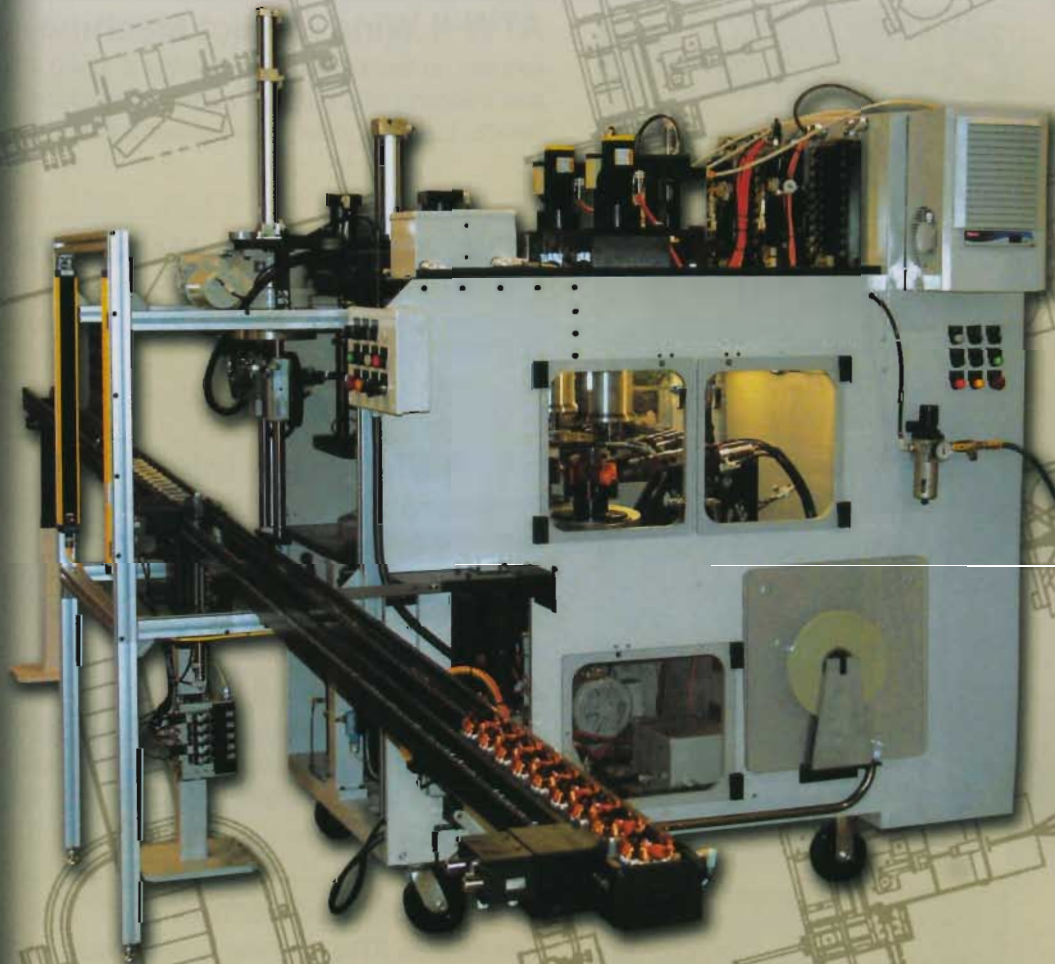


SMALL FRAME AUTOMATIC WIND/INJECT MACHINES

ATW-II Inject Station



ATW-III Three Winding Heads



ATW-II Automatic Wind/inject

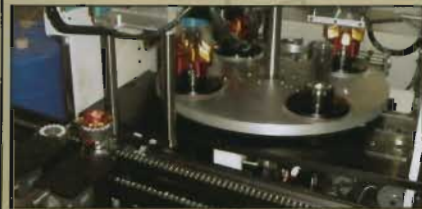
Alliance Small Frame Automatic Wind / Inject Systems Include:

- Flexible Automation Production Management Software (FAP/MS)
- Standard programmable logic controllers and Windows compatible computer for digital diagnostics and specification storage
- Off-the-shelf components on all machines for easy maintenance
- Flexible high speed production makes the ATW-II/III, the most popular stator production machine we offer
- Modular construction for fast model changeover
- The wedgemaker slides out for easy maintenance and cleaning
- All the computer software and source codes included with machine
- Detailed perishable tooling drawings
- Automatic load/unload (optional)



ATW-II Wind / Inject Machine

(shown on front 2,3mL x 2,3mW x 2,4mH) – The ATW combines winding/wedgemaking and injecting into a single compact machine. Available with one, two or three winding heads, the ATW offers the perfect solution for flexible high speed production.



ATW Automatic or Manual Transfer of Core

The ATW can easily be configured for both automatic or manual production. One operator can easily run 3-4 ATW machines, or these machines can be installed in an automatic line.



Small Blade Gap Injection

When using conventional coil injection of a high column of wire with precision wound coils, there is a good possibility of damage to the wire. Alliance has solved this challenge with their new injection technology using three servo drives and unique programmable movements to reduce the injection force on the wire.



4,000 RPM Wind Speed

Alliance small frame winders can include the capability to wind at speeds up to 4,000 RPM. This advanced winding capability can provide significant productivity increases for a variety of stator designs using fine wire with a high turns count.



Slide Out Wedgemaker

The Alliance ATW machine is designed for high speed production and quick lamination changeover. The wedgemaker slides out for easy maintenance and cleaning.



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