



PRODUCT FOCUS

Ingrid West Machinery Ltd

www.ingridwest.co.uk

Autumn 2007

NEW at Productronica 2007

Fully automatic bobbin-less coil winder



A compact and economical solution for efficient production of air coils of all types.

The DQA is ideally suited for winding self supporting coils using thermoplastic coated wire. The CNC system enables all coil parameters to be programmed for continuous fully automatic operation.

The wire is wound onto a former and the turns bonded together. The former is then removed and the finished coil is ejected from the machine.

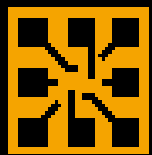
Typical applications include: RFID coils, laser heads, voice coils, magnet coils, sensor coils, vibrator coils and pancake motor coils.



- a Automatic clamp/cut system, layer winding, material unloading and cleaning of the tool during each cycle, dispensing oil release agent if required.
- a Fine programmable pitch control enabling precise layer winding.
- a LCD screen for easy setup, and optional PC link.
- a Wire tensioner with magnetic braking provides constant tension.
- a Synchronous drive tailstock ensures precise tool alignment and allows for smaller core ID's.
- a Temperature of the hot air system is freely programmable.

Hot air, current and alcohol bonding options available

We look forward to meeting customers old and new at



PRODUCTRONICA
13.-16. NOV. 2007

The world's leading trade show for electronics production



HALL A6, STAND 577

Post: Ingrid West Machinery, Unit 5L, Delta Drive, Tewkesbury, Glos, GL20 8HB, UK

Web: www.ingridwest.co.uk

E-mail: enquiry@ingridwest.co.uk

Phone: +44 (0) 1684 273164

Fax: +44 (0) 1684 273171

REPRESENTING



Taping solutions from IWM

See it at
Productronica
Hall A6
Stand 577

3 TDA 025 Carousel dispenser



The TDA 025 is perfect for production situations where more than one operator needs access to cut lengths of tape. A single press of the button on top of the machine causes up to 20 pre-cut pieces of tape to be presented ready for use around the carousel. The machine will work with tapes of 3mm to 25mm in width, and the cutting length can be set anywhere between 12 and 60mm. Its simple and convenient operation will improve productivity in a wide range of electronic production applications.

IWM-1000 Tape dispenser 4

The IWM-1000 can cut tape from 7 to 50mm wide in lengths from 30 to 999mm. In automatic mode, the IWM-1000 will present the operator with a fresh piece of cut tape as soon as the last one is removed from the machine. Alternatively, the cut tape can be dispensed on button-press. For full flexibility, this machine can also dispense and cut any desired length of tape under manual control.



Bobifil restoration programme

Why not give your old Bobifil machine a new lease of life with a comprehensive rebuild?



Our restoration programme includes:-

- a Change the head encoder.
- a Change the main motor for a new motor with brake.
- a Change the guider motor for a brushless unit.
- a Frequency controller for the main motor.
- a Control of machine axes by electronic programming.
- a Electrical cabinet separate from the machine to eliminate electrical noise and interference.
- a Mechanical modifications, as required for fitting of new components, e.g. guide heads, tooling.
- a Latest generation software.
- a Total repainting and refinishing of the machine.
- a New accessories at client request.
- a Full compliance with CE regulations.

With over 60 restored machines already delivered to satisfied clients, there's no-one better qualified than us to carry out this work.

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OZMA CNC - supplied and serviced by IWM

Visitors to Productronica 2007 will be able to view both the 4 and 8 spindle versions of the versatile "DQ" range of fully automatic winding machines



See it at
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Stand 577

3 4-Spindle SKR-4DQ

- a Available in 2, 4, 6, 8 and 12 Spindle versions.
- a Wire guide movement programmable in all 3 axes (X, Y, Z).
- a Wraps either radial or axial pins.
- a Programmable nozzle movement through 0°, 45° and 90°.
- a Wire cutting on bobbin pin, nozzle cut or nipper. (Method can be chosen by operator and set up in the program).
- a Simplified programming with "teach in" programming system.
- a Easy - change tooling.
- a Machine set-up recalled from the onboard computer when changing product
- a load and unload transfer system, Optional skeining (twisting) unit.

8-Spindle SKR-8DQ-60 4

Did you know?

OZMA CNC are one of the world's leading designers and manufacturers of fully automatic winding machines.

As their sole European partner, Ingrid West Machinery Ltd shares their commitment to supplying automation solutions that satisfy their customers requirements in every respect.



3 Optional skeining attachment

Primarily for use with fine wires, this skeining unit forms multiple loops in the wire and twists them together.

This increases the mechanical strength of the wire and improves the quality of soldering or other wire termination processes.

Available in 2, 4, 6, 8 and 12 Spindle versions to suit the "DQ" ranger of winding machines



IWM - coil winding solutions you can rely on

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Bench top winding machines

WH-751 Single Spindle 4

- Maintenance-free brushless DC main drive motor producing a maximum spindle torque of 8.8 Nm.
- Traverse driven by constant current driven 4-phase stepper motor.
- 400/1200 rpm max speed ranges.
- Winding width up to 300 mm.
- Bobbin diameter up to 200 mm.
- Wire pitch up to 10 mm.
- Wire size from 0.02 – 3.0 mm with appropriate accessories.
- Supplied with comprehensive manual.
- CE Certified by TÜV Laboratories.
- Accessories include manual or pneumatic tailstock, fine wire feeder heads, tensioners, variable speed foot pedal.
- Compact and versatile.



See it at
Productronica
Hall A6
Stand 577

The WH-751 has two speed ranges to provide all the torque that you need to wind wires up to 3.0mm in diameter.



IWM - coil winding solutions you can rely on



Working with local partners throughout Europe
**Austria, Czech Republic, Germany, Hungary, Poland, Portugal,
Romania, Slovakia, Slovenia, Spain, Sweden**

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