



PRODUCT FOCUS

Ingrid West Machinery Ltd

www.ingridwest.co.uk

Spring 2006

NEW AT CWIEME 2006

EZ-1200 heavy duty coil winder



A versatile, heavy duty machine offering a perfect combination of power, precision and outstanding build quality.

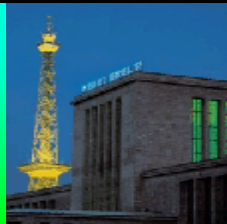
An ideal production tool for solenoids, power and distribution transformers from 10 to 1,200 KVA. The wide range of winding speeds allows both primary and secondary windings to be produced on the same machine.

- 7.5 HP brushless DC main spindle motor.
- Winding speed 0-500 rpm.
- Winds coils up to 800mm in diameter.
- Wind width 1,100mm (max. distance between points 1,200mm).
- Wire diameter up to 9.9mm.
- Guider precision 0.01mm (brushless DC motor).
- Rectangular and flat wires can be wound using a special guider.
- Rugged galvanised steel construction.
- Durable stainless steel finish.
- Fully programmable via dedicated CNC.
- Foot-pedal control leaves operator's hands free.
- Built in Europe with full CE certification.

Although the machine is under full NC control, the program can be interrupted at any time should adjustments to the winding process be required. Once adjustments have been made, the program can be resumed with no loss of turns count.

This machine is perfectly engineered for customers who require high pulling power for winding large diameter wire onto heavyweight coils.

**IWM invite
you to Berlin**



The World's largest International Coil Winding, Insulation and Electrical Manufacturing Exhibition and Conference

**CWIEME
2006**

May 30th, 31st & June 1st, 2006

Messe Berlin
Germany

HALL 1.1, STAND 1315

Bigger than ever, this show has three halls filled with the latest developments in the coil winding industry.

Save €30.00—register for free before 30th April. Form available at:

WWW.INGRIDWEST.CO.UK



Last year's IWM stand at
CWIEME 2005

Contact us at...

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Bobifil restoration programme

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

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

A typical machine restoration includes:

- Change the 500 pulse head encoder for a 10,000 pulse unit.
- Change the main motor for a brushless DC motor with brake.
- Change the guider motor for a brushless DC unit. (Mechanical machines require the installation of an electronically controlled endless feedscrew for the guider system).
- Frequency controller for the main motor.
- Motion control of machine axes through PLC and electronic programming.
- Electrical cabinet separate from the machine to eliminate electrical noise and interference produced by the motors.
- Mechanical modifications, as required for fitting of new components, e.g. guide heads, tooling.
- Latest generation software.
- Total repainting and refinishing of the machine.
- New accessories at client request.
- Full compliance with CE regulations.

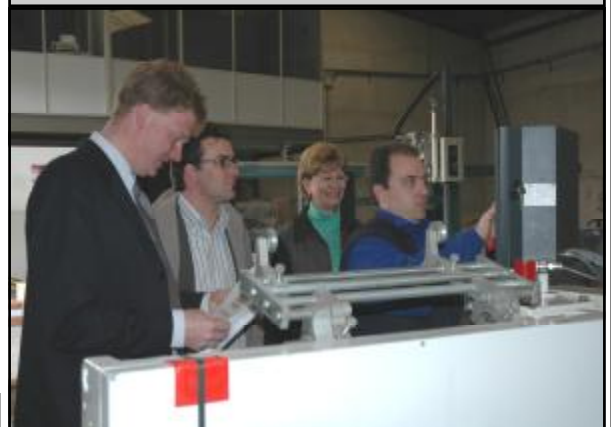
A fully restored machine is capable of giving many more years of reliable service on your shop floor

The programme is covered by a 12 month guarantee for all of the new components. Existing mechanical parts, such as the head stock and gear box, pulleys, guides from the guiding system, feed-screws and tailstock, are excluded, since these parts are not changed under this program.

However, the correct function of these parts will be verified by our technicians while the machine is being rebuilt, and if these parts should need repair or replacement, the client will be advised.



Above: A restored ER-900
Below: IWM and Erasan-Zinzo staff test a newly refurbished ER-900 machine



Below: An ER-33 following restoration



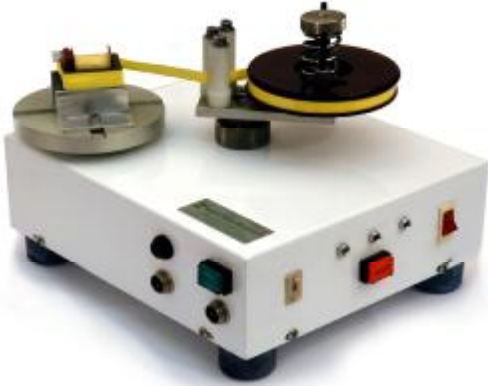
Working with local partners throughout Europe
Austria, Czech Republic, Germany, Hungary, Poland, Portugal,
Romania, Slovakia, Slovenia, Spain, Sweden

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Taping equipment from IWM



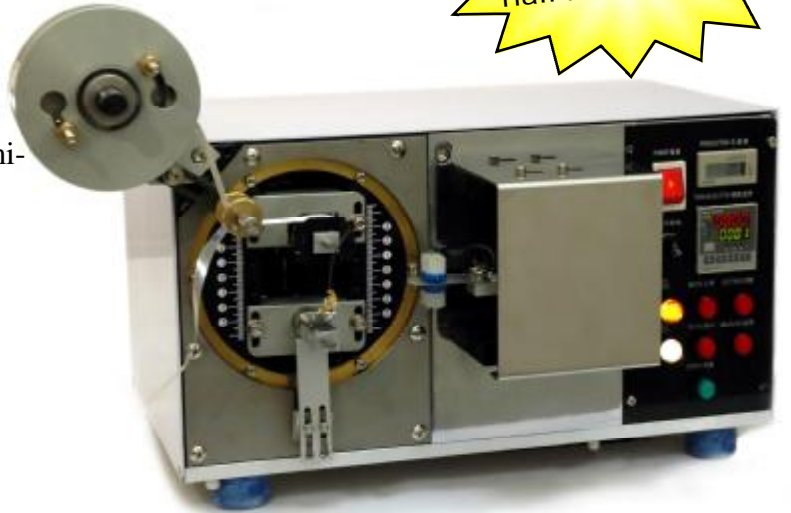
3 WH 1200 Core taping machine

- For transformers min 15 x 5mm, max 63 x 63 mm.
- 4-jaw adjustable turret with magnetic pads to hold core.
- Footswitch operation.
- Applies preset number of turns.
- Winds at up to 90 rpm.

See it at
CWIEME 2006
Hall 1.1 Stand 1315

WH-TP01 taping machine 4

- High output machine for taping ferrite cores, EI laminations, and wound coils.
- Tape start and finish wiper.
- Automatic cut and eject at end of cycle.
- Fast cycle time (typically <3 seconds for 2 turns of tape).
- Number of turns programmable between 1 and 9.
- Tape width (max) 50 mm.
- Supply reel holder 76 mm (other sizes available).



3 TDA025 Tape Dispensing Machine

- Unique feed system places cut tape on carousel for easy removal.
- Dispenses up to 20 pieces of tape - ideal for multiple operators.
- Automatic tape feeder and cutter.
- Handles tapes from 3 to 25mm wide.
- Accepts 25.4, 32, & 76mm tape cores (max O.D. 130mm).
- Cuts preset lengths from 12 to 60 mm, with manual override.

IWM-1100 Tape Dispensing Machine 4

- Dispenses tape either manually to desired length, or automatically to preset length.
- In automatic mode, an opto-sensor detects tape removal, and immediately dispenses and cuts fresh tape ready for use.
- Safety guard system prevents activation of the cutter when foreign objects are present (fingers, tools etc).
- Adjustable pressure feed to help prevent curling of tape.
- Cutting length digitally set between 30 and 999 mm.
- Handles tape widths from 7 to 50.8 mm.
- 76 mm core holder as standard, others available.



See www.ingridwest.co.uk to find out more!



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WH-800i Two spindle winding machine

A compact, high speed bench-top machine, ideal for high turns count applications—transformer primaries, solenoids, ignition coils, etc.

Nozzle type wire guides feed each spindle. These are adjustable so that dual winding may be carried out successfully. The guides are fed via separate tension units.

- Maintenance-free brushless DC main spindle drive motor producing a maximum torque of 78.5 Ncm.
- Traverse driven by constant current driven 4-phase stepper motor..
- Max speed - 6000 r.p.m.
- Winding width - 110 mm (max).
- Bobbin diameter - 110 mm (max).
- Max pitch - 10 mm.
- Wire size - 0.02 – 0.6 mm.
- Supplied with 2 x nozzle wire guides, 2 x tension units and cover tape attachment, with comprehensive manual.
- CE Certified by TÜV Laboratories.



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