



# PRODUCT FOCUS

Ingrid West Machinery Ltd

[www.ingridwest.co.uk](http://www.ingridwest.co.uk)

Spring 2008

Serving industry for

# 40

1968 - 2008  
years



### In this issue:

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2008 sees the 40th anniversary of the foundation of IWM by Ingrid West, mother of the current M.D. Roland West.

### Timeline:

- ◆ 1968 - Formation of company
- ◆ 1969 - IWM becomes UK agent for CCW (USA) toroid winders
- ◆ 1997 - IWM become UK partner of GS-Automation
- ◆ 1998 - Wey Hwang appoint IWM as their European partner
- ◆ 1999 - IWM exhibit at CWIEME Berlin
- ◆ 2001 - IWM exhibit at Productronica
- ◆ 2001 - European partner network setup up providing local support in DE & RO
- ◆ 2003 - Expanded European partner network in AT, CZ, ES, HU, SK, SL & PL
- ◆ 2005 - Appointed European partner for Eresan-Zinzo, SL
- ◆ 2006 - OZMA CNC Co. appoint IWM as European partner

### Electronic Newsletter

If you wish to receive this newsletter in electronic form, please visit our website at [www.ingridwest.co.uk](http://www.ingridwest.co.uk).

## IWM invite you to Berlin



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

## CWIEME Berlin

10 - 11 - 12 June, 2008  
Messe Berlin, Germany

## HALL 1.1, STAND 1315

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

Save €30.00 per day — pre-register online for free. Form available at:

# [WWW.INGRIDWEST.CO.UK](http://WWW.INGRIDWEST.CO.UK)



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

Web: [www.ingridwest.co.uk](http://www.ingridwest.co.uk)

Phone: +44 (0) 1684 273164

E-mail: [enquiry@ingridwest.co.uk](mailto:enquiry@ingridwest.co.uk)

Fax: +44 (0) 1684 273171

REPRESENTING



ACROSS EUROPE

# Heavy Duty Winding Machines

Following the highly successful debut of the EZ-1200 at CWEME 2006, a steady flow of machines has emerged from the Valencia factory, including 1500, 2000, and 2500 variants.

The Eresan-Zinzo range of winding machines are equipped with head and bench in welded galvanised steel, stainless steel covers, face plate, tailstock with security closure, guider system, protection screen and foot pedal.

The machines are controlled by a powerful industrial PLC, with full memory retention in the event of power failure. The foot pedal enables the operator to take control of the winding, including the ability to brake and reverse wind.

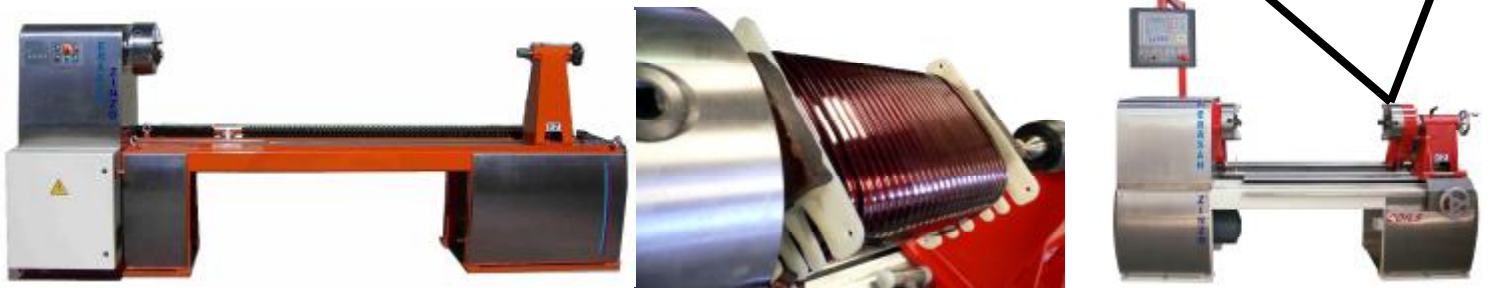
Guiding systems are available for round and profile wire, together with de-reeling and tensioning systems, paper feeding attachments, etc.

If there is an application you would like us to evaluate, why not get in touch with your local partner.

Eresan-Zinzo have many interesting developments on their "drawing board" for 2008, starting with the new, synchronously-driven tailstock system - pictured right.

Pictured below: EZ-2500, equipped with 2.5metre bed pictured centre: Profile wire winding example on an EZ-1200.

See the updated "Heavy Duty" section on our website, with examples, videos and much more [www.ingridwest.co.uk/indexera.htm](http://www.ingridwest.co.uk/indexera.htm)



## Bobifil restoration programme

**Give your old Bobifil machine new life with a comprehensive rebuild**

Recycling makes environmental sense, and now it makes economic sense too. Our Bobifil restoration programme can give you a "state of the art" machine at a fraction of the cost of a new one.

### Our restoration programme 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.
- Frequency controller for the main motor.
- Control of machine axes by PLC and electronic programming.
- Electrical cabinet separate from the machine to eliminate any electrical noise or 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.
- Fully compliant with CE regulations.



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# Automatic machines by OZMA CNC



## 3 Automatic winding machines

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

**IWM are the exclusive European partner of OZMA CNC—one of the world's leading manufacturers of automatic winding machines.**

## Automatic air coil winder 4

### An economic production tool for air coils

using thermo-plastic coated wire. As the wire is wound onto the former, the turns are bonded together by means of a controlled stream of hot air. The former is then removed and the finished coil is ejected from the machine. The machine is equipped with a CNC controller, clamp/cut unit and coil eject and tool cleaning system for fully automatic operation.

Suitable products include: RFID coils, laser heads, voice coils, magnet coils, sensor coils, vibrator coils and pancake motor coils.

### Main features:

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



**As OZMA CNC's Sole European Agent, Ingrid West Machinery shares their commitment to supply top quality coil winding machines and automation systems that satisfy the customer's requirements in every respect.**

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**WHEZ**  
ERASAN &



ACROSS EUROPE

# Wire Tensioners

**A *new* range of wire tensioners offering superior performance combined with low capital cost.**

This range of tensioners provides precision control of wire tension for fine and medium sized wires. The performance of these units is exceptional given the low cost, providing outstanding value for money

Felt pads provide pre-tension and remove dust and other debris from the wire, ceramic eyelets and roller guides at each point of contact protect the wires' insulation from mechanical damage.

Various models are available to control wire tension from 2 g to 2Kg (0.02 to 0.65mm wire at standard recommended tension).

## Magnetic versions

Of course, any mechanically braked system can be affected by wear of the friction materials, so for adjustment-free control over long periods of operation, we also offer magnetically "contact-less" braked versions.

These may also be supplied with a "tension release" cylinder for use with automatic winding machines.



Working with local partners throughout Europe

**Austria, Czech Republic, Germany, Hungary, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden**

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