



# Product Focus

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

## Ferrite air coil machine with in-line insulation stripping and cutting

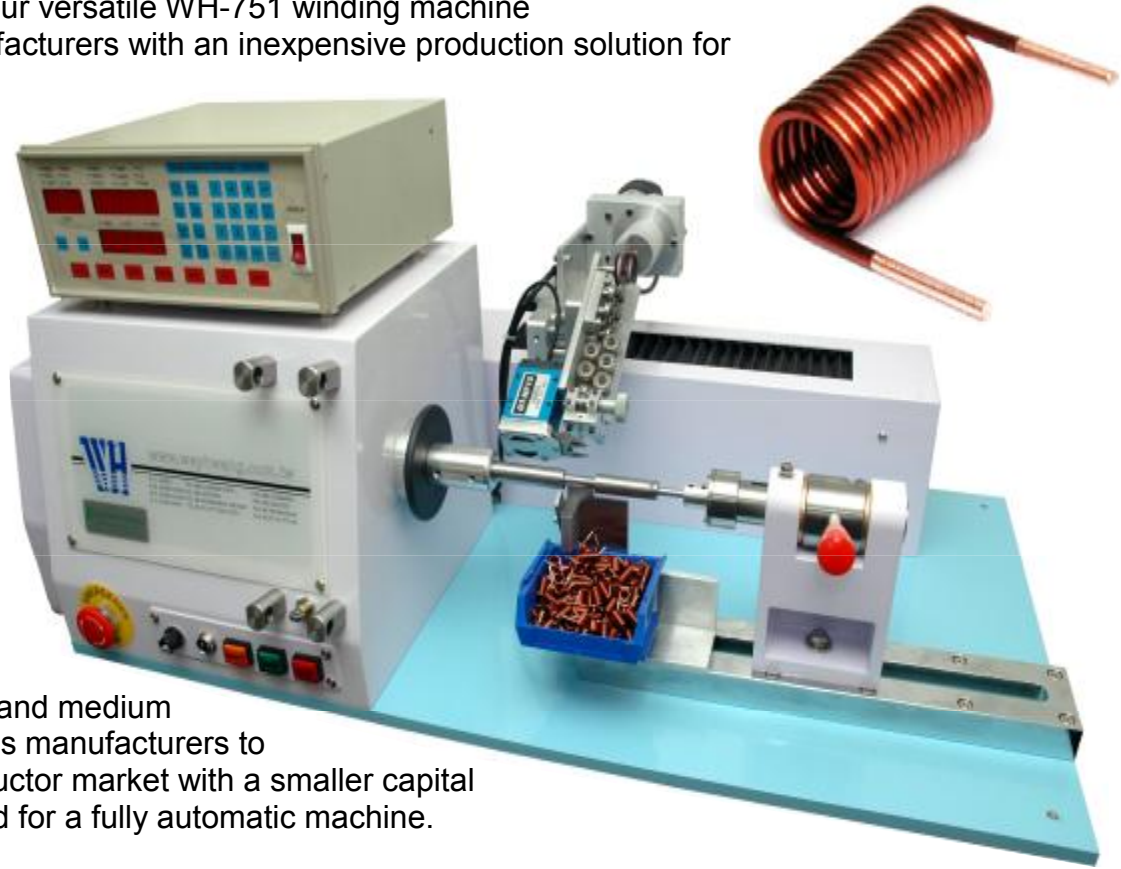
This customised version of our versatile WH-751 winding machine is designed to provide manufacturers with an inexpensive production solution for non-bonded air coils.

The in-line wire stripping unit enables the component legs to be stripped closer to the body than would be possible on a separate stripping machine - a feature that is normally available on systems costing many times as much.

Short cycle times are achieved by controller I/O functionality to operate the stripper and cutter units.

Ideal for production in small and medium volume, this machine enables manufacturers to enter the lucrative ferrite inductor market with a smaller capital investment than that required for a fully automatic machine.

Visitors to our stand at the Productronica exhibition in Munich will be able to see this impressive system in action.



IWM invite you to Munich



productronica

10-13 november 2009



See our website to make a stand appointment  
[WWW.INGRIDWEST.CO.UK](http://WWW.INGRIDWEST.CO.UK)

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# New range of automatic multi-spindles

## Multi-spindle winding machines - high technology that you can afford.

New series with industrial pc and advanced multi-axis motion control card for fast simultaneous axis movement and high precision during the winding process.

To discuss your application in detail at Productronica, please call in and see us at Hall B4, Stand 156.

### Main technical specifications

|                            |   |
|----------------------------|---|
| No. of spindles            | 4,6,8,12  |
| Wire size                  | 0.02-0.5 mm   |
| Max traverse width         | 85 mm   |
| Spindle pitch              | 105 mm (4 spindle version)  |
| Max bobbin diameter        | 100 mm – 50mm if load unload system used                                |
| Spindle speed              | Up to 18,000 rpm  |
| Spindle position accuracy  | +/- 0.1°  |
| Guide head drive motor     | 200W AC servomotor X , Y and Z axis                                     |
| Max movement of guide head | X (left/right) 100 mm<br>Y (front/back) 75 mm<br>Z (up/down) 65 mm      |
| Nozzle positions           | 0°, 90° or 120°   |
| Max pin wrap speed         | 150 Turns / min   |
| Control system             | Windows interface PC with USB connector & DVD ROM, 15 inch Touch screen |



In addition to the products shown in this newsletter, we have many other solutions on our updated website. See [www.ingridwest.co.uk](http://www.ingridwest.co.uk) for more information



## Working with local partners throughout Europe

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

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# erasan *The all new EZ-900*

COIL WINDING MACHINES

On show at Productronica will be the latest development in winding machines for mid range power transformers (up to 600 KVA). The all new EZ-900 is packed full of features for maximum productivity.



**Colour touch screen**—a 12" touch screen (left) makes for easy, intuitive programming, and the powerful computer allows up to 5 different program languages to be stored on the system. The logically arranged programming screens clearly display every function that the operator might need.



**4-ratio quick change spindle drive**—provides maximum versatility for fast primary winding at high speed, whilst smoothly delivering the necessary torque at lower speeds. The EZ-900 is capable of pulling the heaviest of wires.

As with all Erasan machines, the build quality is second to none - the robust welded chassis is fabricated in galvanized steel, and the machine covers in stainless steel.

Built to last, the EZ-900 will look good and perform well on your shop floor for many years to come.



#### TECHNICAL CHARACTERISTICS.

|                                     |                      |
|-------------------------------------|----------------------|
| Wire and profile wire .....         | 0.01 – 10mm          |
| Max winding length .....            | 800 mm               |
| Max distance between points .....   | 900 mm               |
| Max Winding dia .....               | 500 mm               |
| Guider precision .....              | 0.01 mm              |
| Main shaft motor .....              | 5 HP / 3.7KW (15Nm)  |
| Guider motor (Brushless).....       | 0.4HP / 300W (2.2Nm) |
| Winding shaft speed .....           | 0 – 3,000 r.p.m**    |
| approx Torque Values .....          | 3000 rpm - 15 Nm     |
| (**Gear box with 4 positions) ..... | 2000 rpm - 22.5 Nm   |
| (Quick gear change by levers) ..... | 500 rpm - 90 Nm      |
| .....                               | 330 rpm - 135 Nm     |

# erasan *Large wire tensioning systems*

COIL WINDING MACHINES

For heavy duty winding applications the machine accessories can be just as important as the machine itself to achieve maximum efficiency and quality in your product.

Our tensioning systems for large wire apply a braking force to the supply spool rather than the wire itself in order to protect the insulation from any possible damage.

Our range of 1, 2, 4 & 32 spindle tension units use hydraulic callipers on a disk brake for precise control of the braking force.

Simple and convenient pneumatic controls allow the operator to adjust tension according to his requirements.

For smaller round wire (up to 5mm) there is a pneumatically controlled version with conventional braking of the wire.

Of course, almost 70% of accessories provided with our machines are custom made.

Your local representative will be pleased to provide information and advice on suitable tensioning systems for your particular application.



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REPRESENTING  ACROSS EUROPE  
 erasan  
 COIL WINDING MACHINES

# Bench-top coil winding machines – Manufacturing with low capital cost


**IWM are the exclusive European partner of Wey Hwang. Over 10 years of close co-operation between our two companies has produced many improvements in design and quality of our bench top winding solutions.**

The availability of long term production contracts is in some doubt with current market conditions, and variety of product is ever increasing. Many companies are looking to increase their flexibility and ability to adapt to new products quickly, at minimum levels of capital expenditure.

How can this be done?

One way is the use of bench-top machinery. IWM's range covers most production requirements - at a capital cost which is often less than tooling and setup costs of an automatic machine.

So next time you have a new product to manufacture, consider the bench top solution. With machines usually in stock in our UK warehouse (17 at time of print) and our fast, in-house tooling development option, you could be producing within one week.

| Model   | 764                              | 800i                                 | 751  | 752             |
|---|----------------------------------|--------------------------------------|--|-----------------|
|  |                                  |                                      |  |                 |
| No. Spindles  | 4                                | 1 or 2                               | 1  | 2               |
| Max Wire size   | 0.6 mm                           | 0.6 mm                               | 3.0 mm   | 1.6 mm          |
| Max pitch (mm)  | 10 mm                            | 10 mm                                | 20 mm  | 10 mm           |
| Max Winding width (mm)  | 100                              | 110                                  | 300  | 110             |
| Max Bobbin dia. (mm)  | 100                              | 110                                  | 200  | 110             |
| Max speed (rpm)   | 6000                             | 6000 / 3000 / 1600 (choice on order) | 1600 / 400 (belt changeover) 3000 (optional ratio) | 3000            |
| Power   | AC 230 / 110 V ± 10%, 50 – 60 Hz |                                      |  |                 |
| Dimensions (mm)   | 1000 x 500 x 1000                | 760 x 680 x 720                      | 950 x 520 x 600                                    | 600 x 480 x 900 |
| Net weight (kgs)  | 60                               | 37                                   | 68   | 55              |

**Ingrid West Machinery offer a sampling service. Send us a bobbin and wire, and we can wind it, establish accurate cycle times, and then return the wound sample to you for your evaluation of winding quality.**

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