



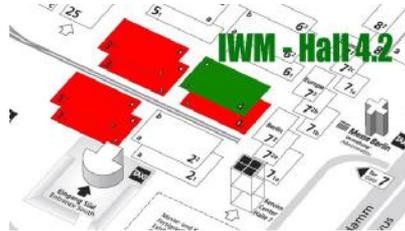
Product Focus

www.coilwindingmachines.eu

CWIEME BERLIN

www.coilwindingexpo.com/berlin
24-26 June 2014 Messe Berlin

CWIEME 2014 - see us in Hall 4.2 Stand 42B80



IWM are gearing up for the biggest and busiest coil winding show of the year, with live demonstrations of new products and exciting new concepts to improve the efficiency of your winding operation.

Don't forget to call in and see us — you'll find us upstairs in Hall 4.2, stand number B80.



CWIEME 2014 tickets available now at www.coilwindingmachines.eu



Benchtop skeining solutions

The **definition**:- **Skeining**, or twisting the wires, is performed to mechanically strengthen lead wires of a coil often to aid in soldering process, or where vibration is an issue for mechanically weak wires.

The **process / operation** involves making loops in the wire along its' length and twisting these loops to form a stronger strand, similar to Litz wire.

For automation and multispindle machines, this is an optional accessory and skeining can be performed during a machine cycle.

The **problem** - for low volume production on benchtop machines is that in the past this has been done using a hand twist tool which is no longer available. It also relied on the operator for repeatability and consistency.

The **solution** - a low cost six spindle benchtop machine with skeining unit for fine wires.

Allows fast setup and repeatable operation for low and mid production volumes.

The winding is stopped a few turns from the end, and the machine automatically performs the skeining function.

Half of the skeined length is then wound into the bobbin, and the remaining skeined length is used for the start lead of the next winding.

See the live demo
CWIEME Hall 4.2
Stand B80



Ingrid West Machinery Ltd, Unit 5L, Delta Drive, Tewkesbury, Glos, GL20 8HB

Web: www.coilwindingmachines.eu Phone: +44 (0) 1684 273164

E-mail: enquiry@ingridwest.co.uk Fax: +44 (0) 1684 273171





Benchtop "fly" winding machines

IWM "Flywinder" - ideal for winding armatures for small motors

Using the principle of "flywinding", the product to be wound is held stationary and the wire is passed around the product.

Special tooling feeds the wire through the gaps in the laminations and prevents damage to the wire insulation.

Winding speeds of up to 3000 rpm together with the twin-spindle configuration provide short cycle times and excellent productivity.



See the live demo
CWIEME Hall 4.2
Stand B80



A whole range of "winding shop" accessories



Working with local partners throughout Europe

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

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The new E-600 "Compact"

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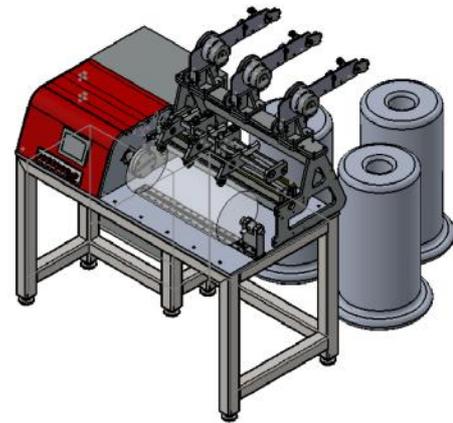
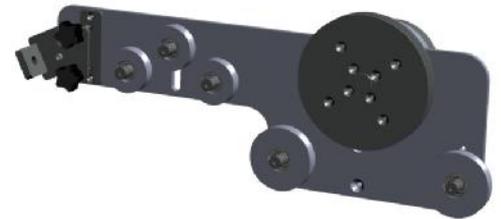
The Model E-600 sets new standards for power, control and energy efficiency in winding machines for large coils and transformers.

The new low cost machine base provides maximum versatility for precision winding at high speed, and the lower torque requirements compared to the larger machines allowed a redesigned, more cost effective construction.

Colour touch screen for fast and simple setup, dust proof for reliability. The powerful computer provides the user with a choice of up to 5 different operating languages. The logically arranged programming screens clearly display every function that the operator might need.



Our innovative electronic tensioners (right) are now available for wires up to 3mm. These reduce the possibility of operator error, improve process control and repeatability by providing tension values that are set digitally, either in the main winding machine software, or via a standalone controller. New models will be available soon for larger wire sizes and profile wire under high tension.



Expanding mandrels (left) are available for all types of foil and strip, including copper, aluminum and paper, Custom built to your requirements, these are optimised for speed and ease of operation in the workplace.

The standard range of Erasan winding machines is available with bed sizes from 300mm to 4 meters, with available torque of over 1400 Nm. We are happy to build special machines according to our customers' specifications and requirements.

Foil Winding Machines

Computer controlled foil winding machines for Low Voltage applications.

A touch screen with graphical user interface and sophisticated "teach-in" functions provide easy programming of automated work cycles for maximum output and productivity.

Foil tension is provided by powerful geared servo motor systems, monitored and synchronised by the advanced industrial PC-based control system.



Electronic sensors detect the position of the foil and paper edges, to ensure precise alignment throughout the winding process.

Design flexibility provides for various combinations of conductors, interleaved insulation and edge fillers, together with a choice of cold pressure or TIG welding of terminals.





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

IWM are the exclusive European partner of Wey Hwang. We've been working together for over 16 years, and this close co-operation between our two companies has produced many improvements in design and quality of our bench top winding solutions.

With improving market conditions come new challenges. Many businesses find that they require increased manufacturing flexibility - the ability to respond to changes in demand quickly, and to exploit new opportunities when they arise.

IWM's range of semi-automatic bench-top machines provide manufacturers with an entry route into new and developing markets with a capital expenditure that is often less than the cost of tooling and setup for an automatic machine.

We keep most popular machines in stock in our UK warehouse ready for immediate despatch, and we can assist with design and manufacture of tooling. IWM even supply machines fully tooled and programmed - "ready to wind", straight out of the box.

So next time you have a new product to manufacture, consider using one of our cost-efficient bench-top solutions to reduce your time to market and stay one step in front of your competitors.

Model	764	800i	751	752
				
No. Spindles	4	1 or 2	1	2
Max Wire size (mm)	0.6	0.6	3.0	1.6
Max pitch (mm)	10	10	20	10
Max winding width (mm)	100	110	300	110
Max bobbin dia. (mm)	100	110	200	110
Max speed (rpm)	6000	6000 / 3000 (choice on order)	1600 / 400 (optional high torque ratio) 3000 / 800 (belt changeover)	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 approx (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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