

# *The Specialist in Coil Winding*



**Toroidal Winding**  
**Linear Winding**  
**Core Winding**  
**Foil, Strap & Vertical Winding**  
**Multispindle Winding**  
**Stator Winding**  
**Automatic Production Lines**

Precision Coil Winding Machines





Since industrialization has started, toroidal transformers have been replaced by EI transformers as these became simpler and cheaper to produce.

However, it is beneficial to have a toroidal transformer if you need an efficient way to transfer electrical energy from one circuit to another and at the same time maintaining a steady frequency. Toroidal transformers have been designed for this purpose and to take advantage of electromagnetic induction. They are highly efficient and the small magnetized portion doesn't affect much on the other electrical components.

The core is made from silicon steel or iron or ferrite and it's shaped like a ring which eliminates air gaps. A magnet wire is wound around the ring and covers the complete cross section. This technique reduces the strength of the magnetic field which is created by the core and makes the grade of interference with other components negligible.

Therefore, year by year the demand for toroidal transformers is growing and your customers may ask for toroidal transformers not only because they are smaller, lighter and quieter but especially because they are more variable in shape than other transformers. Thus you may be in need to make a toroidal transformer with a specific configuration and you will need to find certain coil winding and taping equipment for this job.

Speak to our experts about the best winding solution for your specific needs. We offer the most extensive range of toroidal winding machines from 1mm Core ID up to 4 meters Core OD to meet your particular needs.

Our modular design of interchangeable heads & magazines helps you to cover your applications at a very economical way. With over 500 different magazines, 30 different winding heads and 10 different roller tables you can be sure to find exactly what you are looking for...

# Toroid Winders



Our company is specialized in design, development and manufacturing of state of the art Toroidal Winding Machines in Germany.

We also offer Linear-, Foil-, Strap-, Vertical- and Multispindle Coil Equipment, as well as Automatic Lines and Toroidal Core Winders.

With 30 years experience, we provide professional consulting and installation at customers site and after-sales service from one source.

Speak to our experts about the best winding solution for your specific needs

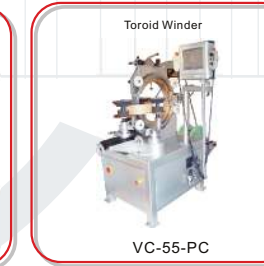
Louis Steven Veress  
Managing Director



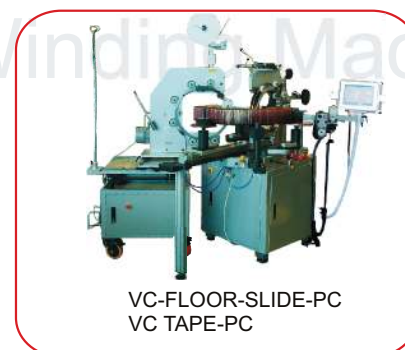
## LCD Machine Series



## PC Machine Series



## DH Machine Series



The BW series are very popular low price bobbin winders for usual coil windings. The LCD series are designed with microprocessor controls and servo motor technology for precision coil windings.

We offer consulting, installation and after sales service from one source.





## Bobbin Machine Series



- Economical
- Industrial Production
- Small space required
- Simple to operate
- VC-Quick-Programming-System with 9 programming parameters in less than 1 minute with all major functions known in today's bobbin winding industry.
- Set up in very short time. New operators can handle the machine immediately with clearly positioned buttons and switches
- Made in Germany.

## LCD Machine Series



- With easy to use Touch Panel
- PanasonicS ervo Motors and Controls
- VC-Quick-Programming-System with 6 programming parameters in less than 1 minute
- VC-Teach-In-System with auto save of adjusted values and quick programming knob for immediate change of any parameter.
- Set up in very short time. New operators can handle the machine immediately with clearly positioned buttons and switches.
- Made in Germany.



Winding Technology Ltd. is one of the market leaders in the worlds industry for stand alone linear coil winders. The PC Series are designed with PC-Control and user friendly Windows software for hi-tech and sophisticated coil windings.

## PC Machine Series

### Bench Machine



**WT-300-PC**

- PC with large Touch Screen and WIN-XP, Network, Ethernet, W-LAN, Automatic Winding Program Calculation, Self-Learning, etc.
- 3 Different Software Packages
  - Standard Software Package
  - Trapezoidal Software Package
  - Data Logging Software Package
- Special Machine Solutions - for example:
  - Insulation feeding system+accessories for measuring transformer
  - Edge winding system+accessories for special coil
  - Many special purpose machinery on request
- Made in UK

### Floor Machine




**WT-500-PC**

### Heavy Duty Floor Machine



**WT-1200-PC**



Lara is the market leader in the worlds industry for stand alone toroidal core winders.

The machines are designed with PC-Control and user friendly software for precision core production.

Lara also offers newly developed automatic 4-step rectangular core winders and C-Core-Winders..

We offer consulting, installation and after sales service for Lara Core Winding Machines from one source.



## Popular Core Winder:

### Fully Automatic Core Winder MAN2011



- ▶ Wide core range: ID:39-135 mm, OD:220 mm, W:80mm
- ▶ Digital touchless ruler
- ▶ Open winding style setting system
- ▶ User Planned Speed Modeling Systems
- ▶ Modern Servo drives
- ▶ Tooling for toroidal & rectangular cores
- ▶ Tooling for Semiautomatic Core Winders
- ▶ Easy to use, cost&time saving - clever solution
- ▶ Made in Turkey



BF is one of the market leaders in the world's industry for stand alone foil, strap and vertical winders.

The machines are very powerful and designed with user friendly software for sophisticated windings. The growing demand for cold welding technology has been implemented in the latest BF machines.

We offer consulting, installation and after sales service for BF Winding Machines from one source.





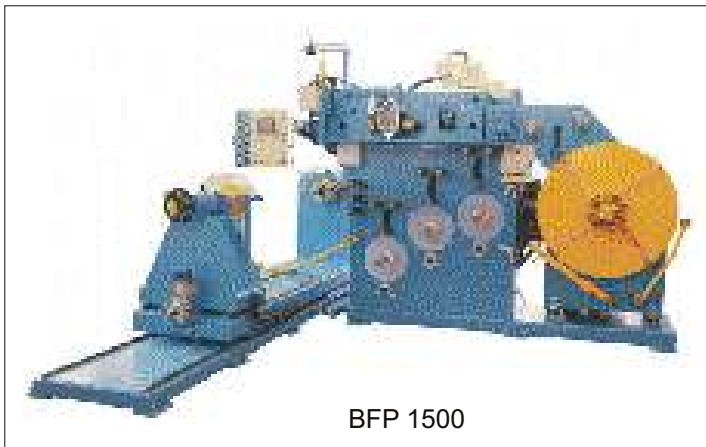
## Foil Winder



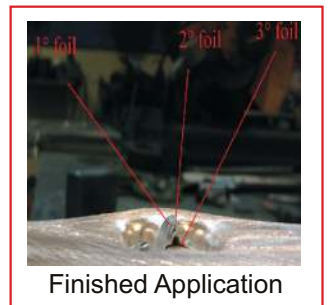
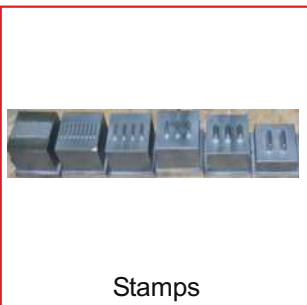
## Strap Winder (i.e. for HV Distribution Transformer)

Made in Italy

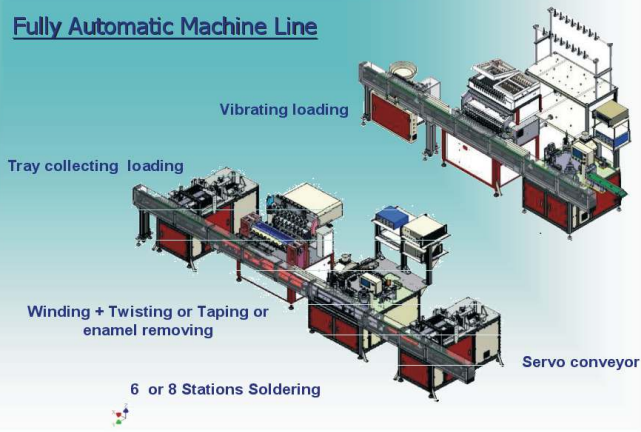
## Wire Winder (i.e. for Distribution Transformer)



## Cold Welding



## Fully Automatic Machine Line



Detzo is one of the market leaders in the worlds industry for Multispindle- and Stator Winders, as well as Automatic Lines.

State of the art machine technology made in Taiwan and highest winding precision have been combined with economical design in order to offer investors maximum production performance at minimum cost.

Flexible upgrade possibilities can be made at any time due to the modular construction of the DETZO machines, either conversion of the machines or fitting into automatic production lines. The fastest possible cycle times have been reached with high-end dynamic wire guide systems for maximum winding speed and coil replacement systems for shortest waiting times.

We offer consulting, installation and after sales service for Detzo Machines from one source.



## Multispindle Winders



1 Spindle



4 Spindles



6 Spindles



8 Spindles



8 Spindles



10 Spindles



12 Spindles



16 Spindles

## Stator Winders





## Coil Tapers



1 Spindles



2 Spindles



4 Spindles



Ferrite Core Taping



## Bobbin Coil Winders



DSW-C01F  
Wire: 0.03-1.0mm



DSW-C01ED  
Wire: 0.03-2.0mm



DSW-C01  
Wire: 0.03-1.0mm



DSW-C02  
Wire: 0.03-0.6mm



DSW-C02F  
Wire: 0.03-0.6mm

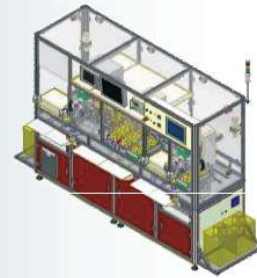
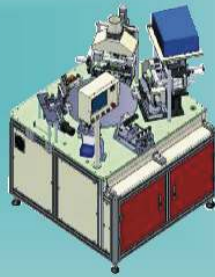


DSW-C04F  
Wire: 0.03-0.5mm

## Soldering Systems

### 6 Stations:

- 1: Loading
- 2: Fluxing
- 3: Soldering
- 4: DCR Testing
- 5: Ok Unload
6. NG Unload

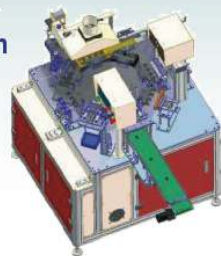


### 1 Station: Soldering

### 2 Stations: Flux / Soldering

### 8 Stations: Options

- Hi-Po Testing
- Surge Testing
- CCD testing
- Cooling system



### Options Soldering:

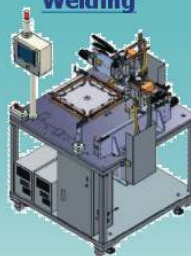
- ☆ Dip type
- ☆ Wave type
- ☆ Resistance welding
- ☆ Micro Arc welding
- ☆ Iron Welding

## Inductor Production Systems

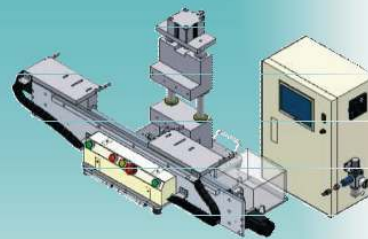
### Winding



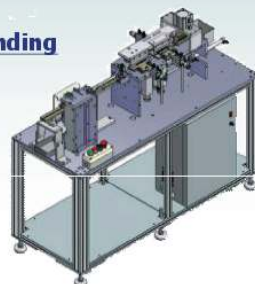
### Welding



### Cutting



### Cutting & Bending



### Packing/Testing



## Flat Wire Winders



## Air Coil Winders





# Copper Film Welders Car Antenna Winders



## Copper Film Welders



## Car Antennas Winders







# Typical Applications Wire Tensioners



## Typical Applications



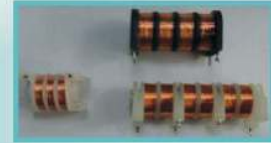
Inverter



Transformer



Step Motors



Ignition



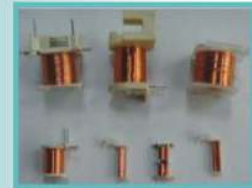
Valve



Inductor



Adapter



Relay



ABS



Car Horn



Car Mirror



Motor

## Wire Tensioners





Precision Coil Winding Machines

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