

# Twin-head coiling/winding machines

## Series 5 - Model 504—Vertical format

Data Sheet

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The Series 5 range of twin-head winders are designed for the low-tension coiling of flexible plastic & rubber tube, hose, pipe & profile.

The main benefits to the user are:

- Low tension coiling removes possibility of stretching or distorting the product being coiled.
- Vertical format for small foot-print—saves space.
- Choice of Uhing roller-box or servo motor traverse mechanisms for perfect layering control.
- Wide range of quick change mandrels/coiling heads.
- Option to have automatic cutter installed.
- Easy-to-use controls with option of PLC & touch-screen.
- New technology reduces maintenance downtime.

### Mode of Operation

#### Series 5 winding/coiling technology

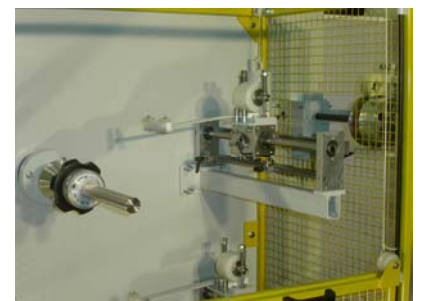
A range of versatile winding machines. The two coiling heads may either be fitted with stub shafts to accept customer's own reels, or with collapsible 'self-tie' coiling assemblies.

A fully automatic traverse mechanism is provided to ensure side-by-side layering from start to finish. The traverse is easily set to suit tube & profile from 1 to 50 mm wide. For basic reeling applications a Uhing roller box system is used to control the traverse. For more complex & delicate applications a servo controlled traverse mechanism is recommended. This system uses an AC brushless servo motor to adjust the traverse layering arm. When the servo system is used, reeling & traverse profiles can be saved & stored in the integral PLC unit.

An auto-stop facility option stops each coil when the correct length is wound on. Twin length counters can be supplied to make it possible to set the length required individually for each head.

The maximum coiling speed is set using a ten-turn potentiometer. The coiling tension & exact matching to linespeed is achieved by a light-weight, fully balanced, dancing arm assembly.

All operator controls are located in an accessible control pod. A guillotine cut-off facility is available as an option.



### Series 5 Range - Standard versions

Model	Coil diameter (mm)	Coil width (mm)	Coil weight (Kg) - max.	Linespeed (m/min) - max.
504/2	250 - 600	100 - 300	50	60
504/2HD	300 - 700	100 - 400	80	50