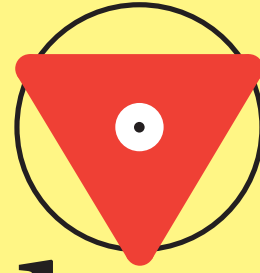


Ridgway  
**BCT SUSPENDED  
COIL TAPING MACHINES**



# Ridgway

## MACHINES

LEICESTER, ENGLAND

*Top quality solutions to  
all your coil manufacturing  
requirements are only a  
contact call away...*

**+44 (0)116 289 9199**

**[www.ridgwayeng.com](http://www.ridgwayeng.com)**

### *Fast precision coil taping*



*...for effective & efficient insulating solutions*

Ridgway

# BCT SUSPENDED COIL TAPING MACHINES

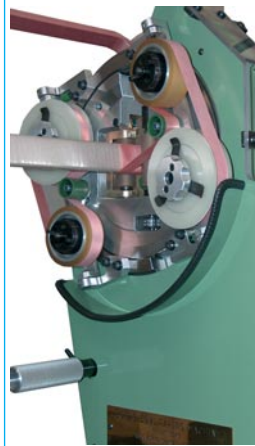
Designed for the fast, precision application of tape insulation systems to a wide variety of components – including motor and generator stator coils and bars.

BCT Suspended Coil Taping Machines provide the ultimate solution to dramatically improve your production capabilities.

**BCT 16/30VL**



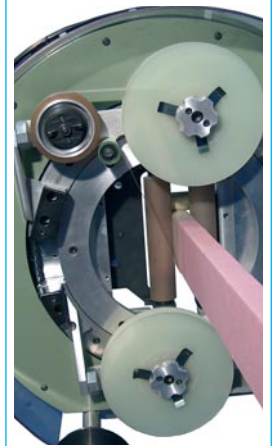
**BCT 20/50VL**



**BCT 35/100VL**



**BCT 50/150VL**



<b>CAPACITY</b> Cross section of conductor to be taped	max. min.	16mm x 30mm 5mm x 10mm	20mm x 50mm 10mm x 18mm	35mm x 100mm 15mm x 30mm	50mm x 150mm 25mm x 45mm
<b>TAPE WIDTH</b>		15mm or 20mm	20mm or 25mm	20mm or 25mm	20mm, 25mm or 30mm
<b>LAP</b>		Variable	Variable	Variable	Variable
<b>TAPE SPOOL</b> core outside dia.		Ø 25mm Ø 80 or 90mm	Ø 25mm Ø 110mm	Ø 25mm or 55mm Ø 170mm	Ø 25mm or 55 mm Ø 170 mm
<b>TAPING SPEED</b>	max.	250 rpm	240 rpm	200 rpm	150 rpm
<b>DISTANCE BETWEEN COIL LEGS FOR ACCESS</b>	min.	115 mm	200 mm	350mm	350mm
<b>AIR SUPPLY</b>		5.5 bar			
Recommended Min. Bore		Ø 12 mm			
Free Air Use @ full speed		18 litres/sec.			26 litres/sec.
<b>BENCH-MOUNTED</b>		BCT 16/30VLDM	BCT 20/50VLDM	–	–



**BCT 16/30VLDM**

The original BCT coil taping machines are in service worldwide. Quality of tape application is assured by the powered drive roller and traverse reversing gearbox arrangement guaranteeing consistent tape overlap. Both the tape overlap and tape tension settings are variable and easily adjusted by the operator if required. The BCT taping machines are capable of simultaneously applying 2 layers of tape.

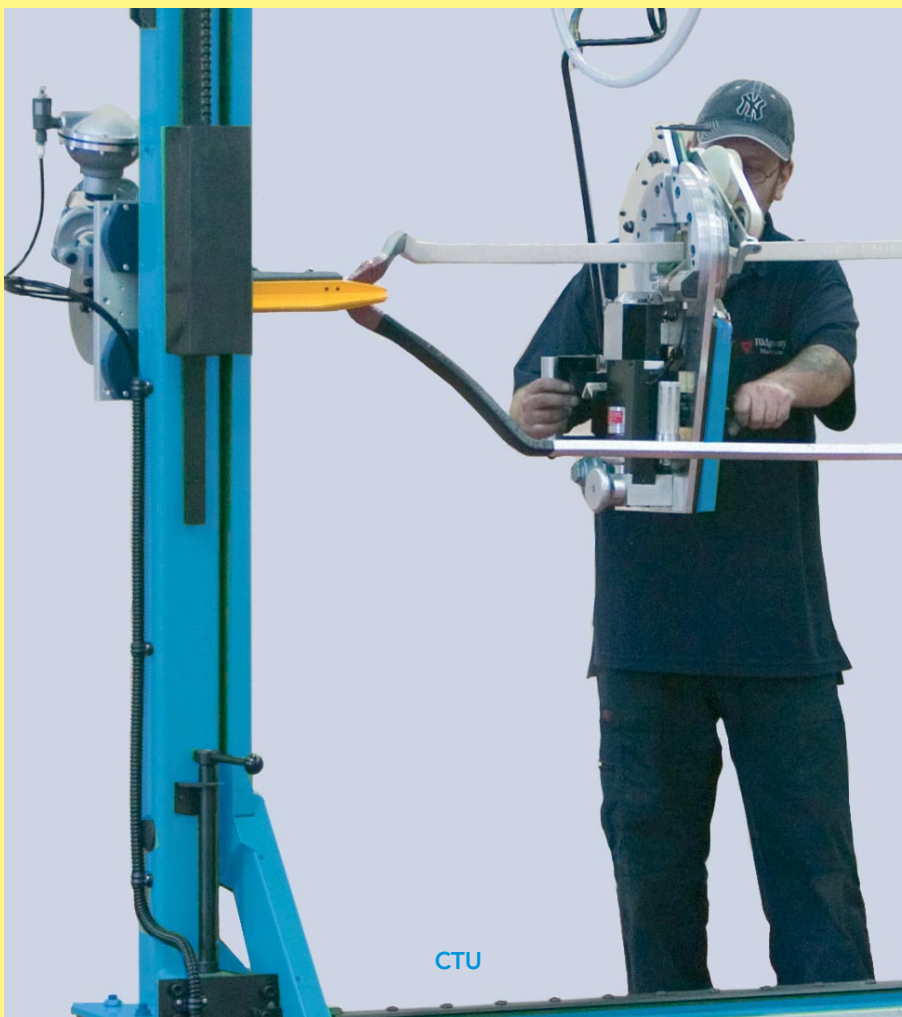
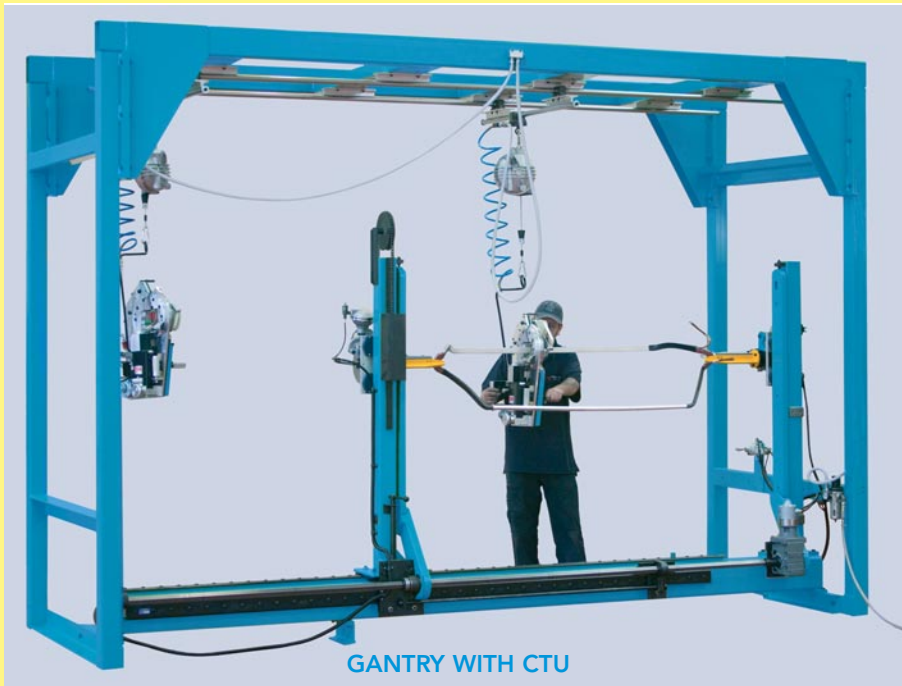
## BCT Taping Machines

- ▼ Designed for the fast, precision application of tape insulation systems
- ▼ Effortlessly tape at up to 8 times faster than traditional methods
- ▼ Simultaneously apply 2 layers of tape
- ▼ Apply tape in both directions
- ▼ Virtually no preparation or set up time required
- ▼ Easy to use
- ▼ Variable tape overlap
- ▼ A wide variety of tapes can be used
- ▼ Compressed air driven

## BCT Bench Taping Machines

- ▼ Ideal for taping smaller and open coils
- ▼ BCT is easily removed from the workbench to allow gantry suspension
- ▼ Operation of the BCT bench models is via foot pedals

# Ridgway BCT HANDLING EQUIPMENT



*Increase your production effectiveness by complementing the range of BCT taping machines with Ridgway's selection of dedicated handling equipment. Use to provide fast, accurate and consistent methods of operator guided tape application with virtually no preparation or set up time required.*

## GANTRIES

- ▼ Designed as a workstation to weightlessly suspend BCT taping machines
- ▼ The gantry range accommodates the CTU coil handling systems
- ▼ A free running carriage mounted to linear rails ensures smooth lateral motion of the taping head
- ▼ Multiple carriages can be added to allow a variety of taping machines to be used
- ▼ Quick and easy connection of the taping machine to the pneumatic circuit
- ▼ Manufactured in a range of sizes

## CTU-COIL TURNOVER UNITS

- ▼ Designed to provide a complete, flexible and easy to operate coil handling solution
- ▼ Only one setup required to tape both coil sides
- ▼ Coil rotation and work height adjustment easily achieved
- ▼ Coil securely held by two pneumatic clamps actuated via a foot pedal
- ▼ Adjustable mechanical stops ensure repeat rotational positioning
- ▼ Retractable front and rail mounted rear coil supports are available if required

*Top quality solutions to all your taping machinery requirements are only a contact call away...*



**Ridgway**  
MACHINES

LEICESTER, ENGLAND

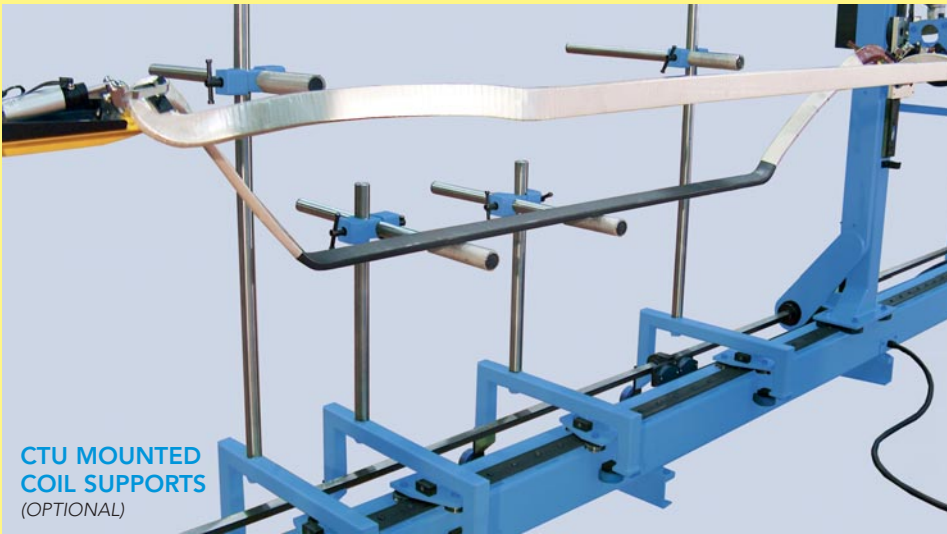
TELEPHONE: +44 (0)116 289 9199

EMAIL: sales@ridgwayeng.com

[www.ridgwayeng.com](http://www.ridgwayeng.com)

MODEL	CTU2500	CTU3000	CTU4000	CTU5000
Gantry required	3.5m	4.0m	5.0m	6.0m
Max. coil length	2500mm	3000mm	4000mm	5000mm

# Ridgway SUPPORTS AND CLAMPS



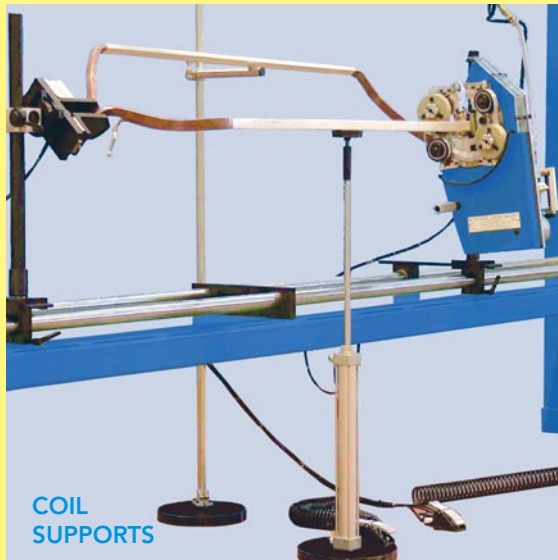
**CTU MOUNTED  
COIL SUPPORTS**  
(OPTIONAL)

## Retractable front supports

Freestanding retractable front support designed for quick and easy operation. Comprising of an air cylinder with an adjustable soft top, enabling the desired work height to be achieved. Cylinder up and down movement is actuated via a foot pedal.

## Rear supports

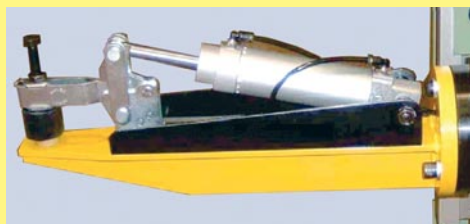
Freestanding rear support designed for quick and easy operation. Manual vertical adjustment



**COIL  
SUPPORTS**

## Clamps

All clamps are robustly designed and pneumatically actuated via a foot pedal.



### ▲ Over centre

Standard clamp as supplied with the CTU. Clamp can be rotated through 360 degrees whilst in situ. Pneumatically locked when in work position.

### ◀ Heavy duty bar supports

Freestanding heavy duty support that incorporates a bar clamp with manual vertical adjustment. Clamp is pneumatically actuated via a foot pedal. Flexible quick release uni-ball clamp positioning



## ▼ SPECIFICATION

### Complete taping solutions...

BCT taping machines

BCT Handling equipment including...

Gantries

Coil turnover units

Clamps

Front and rear coil supports

### For...

AC stator coils

AC stator bars

DC armature coils

DC armature bars

Compensating bars

Busbars

Cable harnesses

Bespoke products

### Applying a wide range of materials...

Mica

Glass/Mica

Nomex®

Kapton®

Glass yarn

Mylar®

Paper

Polyester/Aluminium

Film/Foil Laminates

*Top quality solutions to  
all your coil manufacturing  
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**RIDGWAY MACHINES LTD** LEICESTER, ENGLAND