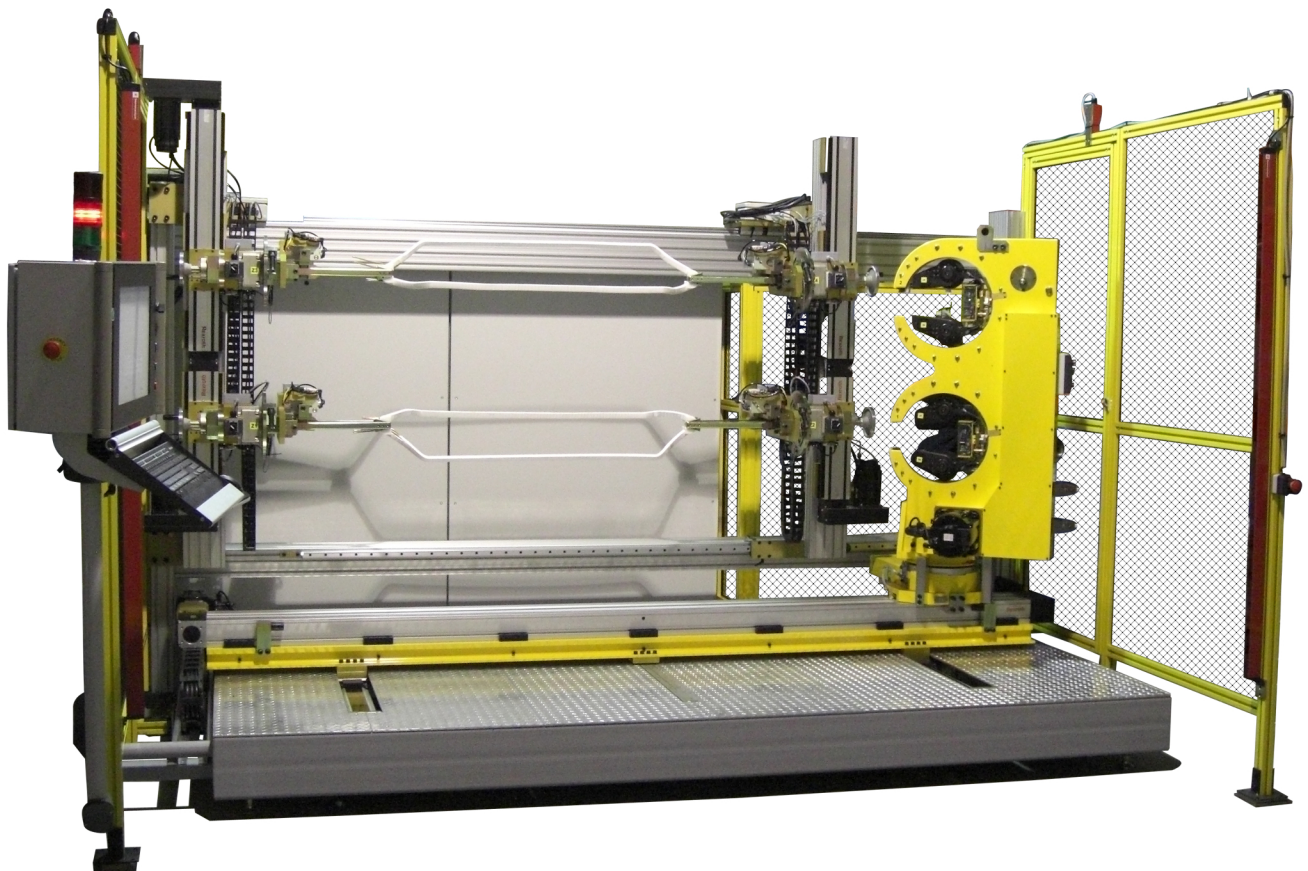


■ The ground taping machine GT4M-2000 is a fully 4-axis automated taping machine specially designed for insulating wind generator coils with high degree of efficiency. The four axes are X, Y, Z and R.

The machine is capable to tape 2 coils simultaneously by means of a double taping head DTH220CE: 2 individual taping heads are stacked up one on top of another. Each taping head can apply 2 rolls of different types of tape with certain elasticity: mylar tape, glass tape, VPI dry tape, low resistance tape, etc. The 2 rolls of tape can be identical or different.

As the coils can move along the Z-axis, the machine can tape part of involutes and whole slot sections of formed coils.

When front legs (0° degree position) of coils are completed, the coils can be rotated to move rear legs to the front (180 ° degree position) so that the machine can tape them.



GROUND TAPING MACHINE  
GT4M-2000

## ■ TECHNICAL DATA

### Coil dimensions

- Min./max. span : 260 /800 mm
- Min./max. length pin to pin : 800 /2000 mm
- Max. pin height : 500 mm
- Max. insulated section diagonal : 60 mm
- Max. weight : 30 kg

### Taping machine

- Time cycle : 6 min 30 s  
(coil: 1150 mm pin to pin, 280 mm span, 11.5 x 24 mm section)
- Weight : 3000 kg

### Double taping head DTH220CE

- Outside radius : 220 mm
- Openings closed with mechanisms : 75 mm
- Max. rotating speed : 250 RPM
- Tension type : Magnetic
- Constant taping tension : 10/60 N
- Automatic taping angle :  $\pm 20^\circ$
- Tape break detection mechanisms : Yes
- Guide roll systems : Yes
- Tape rolls (OD x ID x W) : 120 x 10 x 25 mm

