

# MT

## Magnet TENSION UNIT



# MT MAGNET TENSION UNITS

Our technical staff has developed a totally new tension unit using ferrite magnets. The ferrite magnets make our new series of tension units very high precision instruments (presently applying for a patent) that guarantee fixed tension without contact for a long period of time.  
In this series are models MT-20, MT-100, MT-300, MT-800XL and MT-2000.

## FEATURES

1. Because there is no contact, a stable tension is applied along the wire for a long time.
2. By using a ferrite magnet, there is little variation in the finished coils.
3. There is excellent tracking at fast winding speeds.
4. The back tension can be freely adjusted to allow for rapid change in winding speed or winding square bobbins without breaking the wire.
5. The tension is read directly off the dial, making adjustments very easy.
6. Each standard model comes with a wire break sensor to stop the winding machine when the wire breaks or runs out.
7. These units can be used with all Tanaka winding machines.
8. Because the back tension can be set freely in the program for coil winder models AW-8800/8600/9000 series and AX-10, there is no wire break when wrapping wire on terminals.

## SPECIFICATIONS

|                                      | MT-20<br>MT-20BC         | MT-100<br>MT-100BC             | MT-300<br>MT-300BC           | MT-800XL<br>MT-800XLBC        | MT-2000<br>MT-2000BC       |
|--------------------------------------|--------------------------|--------------------------------|------------------------------|-------------------------------|----------------------------|
| Tension (g)                          | 4 ~ 20                   | 12 ~ 100                       | 30 ~ 300                     | 100 ~ 800                     | 500 ~ 2000                 |
| Wire Size 1 (mm)<br>Wire Size 2 (mm) | 0.05 max<br>( 0.05 max ) | 0.04 ~ 0.14<br>( 0.04 ~ 0.14 ) | 0.08 ~ 0.2<br>( 0.08 ~ 0.2 ) | 0.14 ~ 0.5<br>( 0.14 ~ 0.37 ) | 0.3 ~ 1.0<br>( 0.3 ~ 0.6 ) |
| Dimensions (mm)                      | W H D<br>140 × 140 × 70  | W H D<br>140 × 140 × 70        | W H D<br>140 × 146 × 70      | W H D<br>175 × 165 × 85       | W H D<br>207 × 150 × 85    |
| Weight (g)                           | 740                      | 770                            | 850                          | 1650                          | 2200                       |

- The wire size range differs slightly according to the type of the winding machine and winding specifications.
- Because of improvement, the specifications are subject to change without notice

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