

# MTK, MTK-T SUPER PRECISION AIR CHUCK FIXTURES

## 內藏式超精密氣壓夾盤

1. 預設治具孔及預留自動潤滑管道：爪殼預設治具孔，有額外固定需要時不須再追加加工；且預留自動潤滑管道，可與自動潤滑裝置連結。
2. 內藏式汽缸：汽缸與夾盤直結設計，確保作動及夾持的穩定性。
3. 生爪精密定位：設有定位銷使生爪在重複拆裝時仍保持良好的定位精度。
4. 超高精度夾持提高工作效率：夾持工件的同軸度及重複夾持精度可達 $\mu$ 級，簡化操作，實現高效率的精密加工。



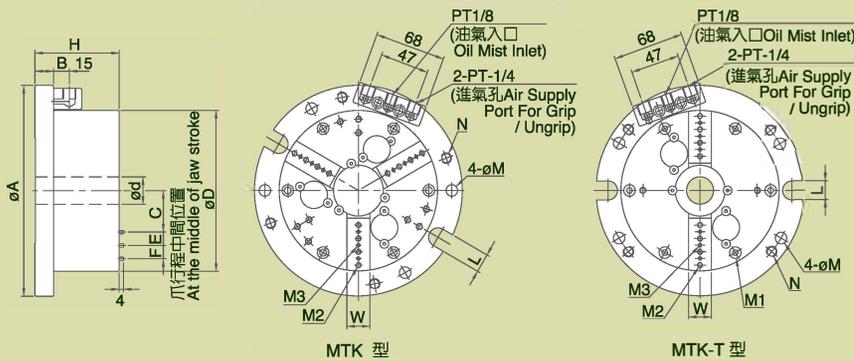
**1. Pre-machined tapped holes and lubrication path:**  
There are tapped holes for fixing jigs, thus, additional screw machining is not necessary, and pre-machined lubrication path can connect to auto-lubrication unit to lubricate the chuck automatically.

**2. Built-in Cylinder:**  
Connect cylinder directly to the chuck for stable gripping.

**3. Precise soft jaw positioning:**  
It's easy to remount soft jaw to the correct position with dowel pins on it.

**4. High gripping precision brings better quality and efficiency.**  
Good coaxiality and repeatability of gripping are able to achieve the accuracy of " $\mu$  degree" machining processes can be simplified or shortened to make high precision machining with high efficiency come true.

### 尺寸圖 > Dimensions



本產品精密度可達 $\mu$ 級  
This product reaches the repeatability of " $\mu$  degree"

### 應用範例 > Operation Example

氣壓切換閥連接方式 / 特殊附件  
Examples of Attaching Pneumatic Manual Switch / Optional Accessories



### 規格表 > Specifications

單位/UNIT:mm

| 型式/規格<br>MODEL<br>/ SPEC. | A                           | B          | C              | D          | d<br>(H7)                                   | E   | F      | H                    | W  | L  |
|---------------------------|-----------------------------|------------|----------------|------------|---|---|--------|----------------------|----|----|
| MTK-04                    | 148                         | 17         | 20.75          | 101.6      | 18  | 12.7  | 12.7   | 80                   | 16 | 13 |
| MTK-06                    | 200                         | 18         | 39.75          | 152.4      | 26  | 12.7  | 12.7   | 81                   | 22 | 18 |
| MTK-04T                   | 148                         | 17         | 20.75          | 101.6      | 18  | 12.7  | 12.7   | 80                   | 16 | 13 |
| MTK-06T                   | 200                         | 18         | 39.75          | 152.4      | 26  | 12.7  | 12.7   | 81                   | 22 | 18 |
| 型式/規格<br>MODEL<br>/ SPEC. | M                           | M2         | M3             | N          | 爪行程(直徑)<br>Jaw Stroke<br>(Diameter)<br>(mm) | 空壓夾持力<br>Gripping Force<br>At Air Pressure 7 kgf/cm <sup>2</sup> (0.7MPa)<br>kgf (kN) |        | 淨重<br>Weight<br>(kg) |    |    |
| MTK-04                    | $\phi 9$ (PCD $\phi 130$ )  | 6-M5x0.8P  | 9- $\phi 3.18$ | 3-M8x1.25P | 2.8   | 800   | (7.8)  | 6.2                  |    |    |
| MTK-06                    | $\phi 11$ (PCD $\phi 180$ ) | 12-M5x0.8P | 9- $\phi 3.18$ | 4-M10x1.5P | 2.8   | 1200  | (11.7) | 13                   |    |    |
| MTK-04T                   | $\phi 9$ (PCD $\phi 130$ )  | 4-M5x0.8P  | 6- $\phi 3.18$ | 3-M8x1.25P | 2.8   | 800   | (7.8)  | 6                    |    |    |
| MTK-06T                   | $\phi 11$ (PCD $\phi 180$ ) | 8-M5x0.8P  | 6- $\phi 3.18$ | 4-M10x1.5P | 2.8   | 1200  | (11.7) | 12.6                 |    |    |