

# TK, TK-T SUPER PRECISION AIR CHUCKS

## 超精密氣壓夾頭

專利產品  
Patent Protected

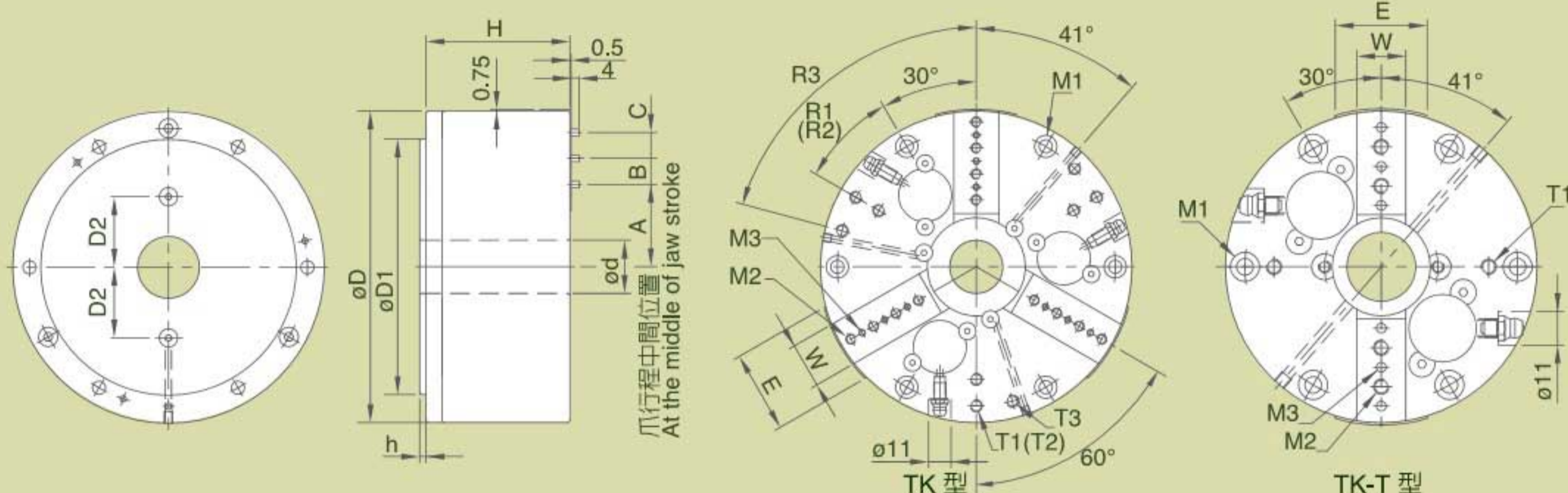
- 1.預設治具孔及預留自動潤滑管道：爪殼預設治具孔，有額外固定需要時不須再追加加工；且預留自動潤滑管道，可與自動潤滑裝置連結。
- 2.內藏式汽缸：汽缸與夾盤直結設計，確保作動及夾持的穩定性。
- 3.生爪精密定位：設有定位銷使生爪在重複拆裝時仍保持良好的定位精度。
- 4.超高精度夾持提高工作效率：夾持工件的同軸度及重覆夾持精度可達 $\mu$ 級，簡化操作，實現高效率的精密加工。



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



單位/UNIT:mm

### 規格表 » Specifications

型式/規格 MODEL / SPEC.	A	B	C	D	E	D1	d (H7)	D2	H	h	W	M1
TK-04	20.75	12.7	12.7	101.6	30	82.55	18	25	70.3	3.2	16	6-M5x0.8P(PCD $\phi$ 88.9)
TK-06	39.75	12.7	12.7	152.4	40	124.97	26	34.5	70.3	3.2	22	6-M6x1P(PCD $\phi$ 135.89)
TK-08	65.75	25.4	--	203.2	45	167.64	50	50	99.5	7.0	25	6-M10x1.5P(PCD $\phi$ 182.88)
TK-04T	20.75	12.7	12.7	101.6	30	82.55	18	25	70.3	3.2	16	6-M5x0.8P(PCD $\phi$ 88.9)
TK-06T	39.75	12.7	12.7	152.4	40	124.97	26	34.5	70.3	3.2	22	6-M6x1P(PCD $\phi$ 135.89)
TK-08T	65.75	25.4	--	203.2	45	167.64	50	50	99.5	7.0	25	6-M10x1.5P(PCD $\phi$ 182.88)

型式/規格 MODEL / SPEC.	M2	M3	T1	T2	T3	R1
TK-04	6-M5x0.8P	9- $\phi$ 3.18	3-M5x0.8P(PCD $\phi$ 88.9)	--	--	30°
TK-06	12-M5x0.8P	9- $\phi$ 3.18	3-M6x1P(PCD $\phi$ 135.89)	3-M6x1P(PCD $\phi$ 110)	3-M6x1P(PCD $\phi$ 135.89)	30°
TK-08	6-M10x1.5P	6- $\phi$ 6.36	3-M8x1.25P(PCD $\phi$ 182.88)	3-M8x1.25P(PCD $\phi$ 150)	3-M8x1.25P(PCD $\phi$ 100)	30°
TK-04T	4-M5x0.8P	6- $\phi$ 3.18	2-M5x0.8P(PCD $\phi$ 70)	--	--	--
TK-06T	8-M5x0.8P	6- $\phi$ 3.18	2-M6x1P(PCD $\phi$ 110)	--	--	--
TK-08T	4-M10x1.5P	4- $\phi$ 6.36	2-M8x1.25P(PCD $\phi$ 150)	--	--	--

型式/規格 MODEL / SPEC.	R2	R3	爪行程〔直徑〕 Jaw Stroke [Diameter] (mm)	空壓夾持力 At Air Pressure 7kgf/cm <sup>2</sup> (0.7Mpa) kgf	Gripping Force (KN)	最高迴轉速 Max.Speed r.p.m(min <sup>-1</sup> )	淨重 Weight (kg)
TK-04	--	--	3	310	(3.1)	4500	4.4
TK-06	30°	75°	3	790	(7.8)	4200	9.8
TK-08	30°	30°	3	1450	(14.3)	2500	26.3
TK-04T	--	--	3	310	(3.1)	3500	4.2
TK-06T	--	--	3	790	(7.8)	3500	9.5
TK-08T	--	--	3	1450	(14.3)	2000	25.1