

## KETEC KU SERIES THICK TURRET

# "Precision Meets Perfection, Economical Solutions.

11

## **About Us**

#### **Innovative Solutions for Fabrication Challenges**

Founded in 1998, KETEC Precision Tooling is the largest manufacturer of Punch Press and Press Brake tooling in China and Asia.

With over 25 years of unremitting efforts in product innovation and development, as well as manufacturing refinement - In 2010, our Punch Press and Press Brake tools were appointed by the government as the industrial standard in China. As the leader of CNC tooling for the sheet metal fabrication industry. Our products have always been well-known high-quality, customer-centric, and cost-effective.

### **Empowering Metal Fabricators with Top-notch Tooling Solutions**

Staying competitive in the manufacturing industry means having better flexibility, quality and efficiency while maintaining a sustainable profit.

That's why many manufacturers choose us. Through our unwavering commitment to quality control, refined manufacturing processes, and consultative customer service, we partner with our customers to minimize costs, boost revenue, and sustain their competitive edge.





#### **Milestones**

#### 2004

#### **Obtained Certifications**

KETEC®'s trademark was registered as an international trademark and obtained ISO certification - ISO9000:2000.





#### 2008

#### **Equipped with High Capacity**

Experienced tremendous growth and built our current manufacturing facilities **encompassing a total of 13 acres** in Conghua, Guangzhou, China.



#### 2010

#### **Became National Standard**

The National Standardization Committee of China commissioned KETEC to draft the standard for "Tooling for CNC Turret Punch Machine." In July of the same year, the Ministry of Industry and IT of China issued and implemented the standard JB/T10928-2010 for "CNC Turret Punch Press Tooling."



#### 2012

#### **Largest in Asia**

KETEC became the **largest exporter by volume** and manufacturer of CNC sheet metal tooling in Asia with an annual revenue of \$45 Million USD.



#### 2020

#### **Customer Centric**

Implemented both **ERP and CRM software** company-wide to better serve our customers.





#### **Official OEMS Partners**















#### **Customer Highlight**



















**OTIS** 











### **KETEC Agents**



Our agents are established in more than 25 countries worldwide



#### **Facilities Gallery**

#### **Ordering Workshop**



**Heat-Treatment Center** 



**Standard Production Line** 



**Customized Line** 







**Tooling Test Center** 



**Quality Control Lab** 





#### **Product Offerings**

We specialize in sheet metal fabrication tooling, including Punch Press, Press Brake, Stamping tools and related machines.

#### **Punch Press Tooling**

- Thick Turret Tooling
- Thin Turret Tooling
- TRUMPF<sup>®</sup>Style Tooling
- Salvagnini<sup>®</sup>
- Muratec-Wiedemann<sup>®</sup>



#### **Press Brake Tooling**

- Euro-Amada Style
- Wila-Trumpf Style



#### **Stamping Tools**

- Automotive
- Thick Plate
- Copper Plate



#### **Machines**

- Tool Grinding Machine
- 2D Inspection Machine







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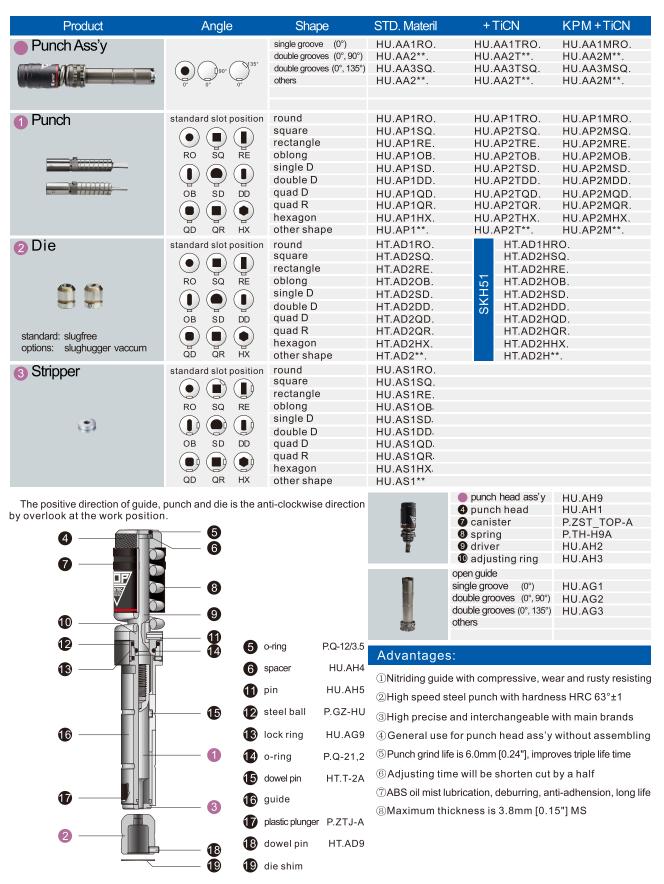
## **Thick Turret KU Series**

## Thick Turret KU Series

Ketec's 90 series is one of our best-selling product lines, due to its reliability and popularity. Our KU series can be equipped with TiCN, Standard and other industry common features. Categories come in station A ( $\frac{1}{2}$ "), B ( $1-\frac{1}{4}$ ") and offer full interchangeability with other mainstream tooling manufacturers.



### KU SERIES A STATION (ØD 1.00~12.70mm [0.039"~1/2"])





KETEC PRECISION TOOLING
KU SERIES B STATION (ØD 1.00~31.70mm [0.039"~1-¼"])

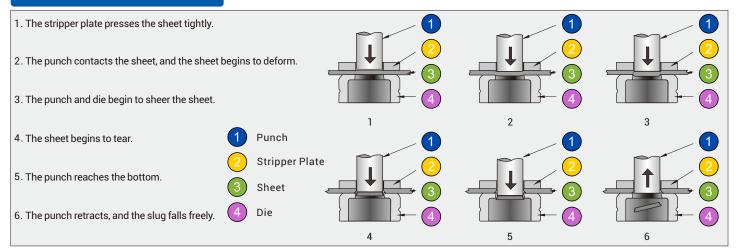


Product	Angle	Shape	STD. Material	+ TiCN	KPM+TiCN
Punch Ass'y		single groove (0°) double grooves (0°, 90°)	HU.BA1RO. HU.BA2**.	HU.BA1TRO. HU.BA2T**.	HU.BA1MRO. HU.BA2M**.
	90°	double grooves (0°, 135°)	HU.BA3SQ.	HU.BA3TSQ.	HU.BA3MSQ.
	0, 0, 0,	others	HU.BA2**.	HU.BA2T**.	HU.BA2M**.
1 Punch	standard slot position	round	HU.BP1RO.	HU.BP1TRO.	HU.BP1MRO.
		square rectangle	HU.BP2SQ. HU.BP2RE.	HU.BP2TSQ. HU.BP2TRE.	HU.BP2MSQ. HU.BP2MRE.
	RO SQ RE	oblong	HU.BP2OB.	HU.BP2TOB.	HU.BP2MOB.
		single D	HU.BP2SD.	HU.BP2TSD.	HU.BP2MSD.
	OB SD DD	double D quad D	HU.BP2DD. HU.BP2QD.	HU.BP2TDD. HU.BP2TQD.	HU.BP2MDD. HU.BP2MQD.
		quad R	HU.BP2QR.	HU.BP2TQR.	HU.BP2MQR.
	QD QR HX	hexagon other shape	HU.BP2HX.	HU.BP2THX. HU.BP2T**.	HU.BP2MHX. HU.BP2M**.
2 Die	standard slot position	round	HU.BP2**. HT.BD1RO.	HU.BP21 .	
2 Die		square	HT.BD2SQ.	HT.BD2H	SQ.
	RO SQ RE	rectangle oblong	HT.BD2RE. HT.BD2OB.	HT.BD2HI	
		single D	HT.BD2SD.	HT.BD2H0  HT.BD2H0  HT.BD2H0  HT.BD2H1	
		double D	HT.BD2DD.		
	OB SD DD	quad D quad R	HT.BD2QD. HT.BD2QR.	HT.BD2H0	
standard: slugfree options: slughugger vaccum		hexagon	HT.BD2HX.	HT.BD2HI	
	QD QR HX	other shape	HT.BD2**.	HT.BD2H	**.
Stripper	standard slot position	round square	HU.BS1RO. HU.BS1SQ.		
		rectangle	HU.BS1RE.		
	RO SQ RE	oblong single D	HU.BS1OB. HU.BS1SD.		
		double D	HU.BS1DD.		
	OB SD DD	quad D	HU.BS1QD.		
		quad R hexagon	HU.BS1QR. HU.BS1HX.		
	QD QR HX	other shape	HU.BS1**		
The positive direction of guide,	nunch and die is the ar	nti-clockwise direction		punch head ass'y	HU.BH9
by overlook at the work position			AP.	<ul><li>4 punch head</li><li>7 canister</li></ul>	HU.BH1 P.ZST TOP-B
				<pre>8 spring</pre>	P.TH-HTB
4	<b>5</b>			driver     adjusting ring	HU.BH2 HU.BH3
	8			guide	HO.BH3
TOP				single groove (0°)	HU.BG1
VIII VIII VIII VIII VIII VIII VIII VII	9			double grooves (0°, 90°) double grooves (0°, 135°)	HU.BG2
				others	но.воз
0	<b>1 0 6</b> •	ring P.Q-26/3.5	Advantages	S:	
<b>1</b>		pacer HU.BH4		e with compressive, we	ear and rusty resisting
1 pin		in HU.BH5	②High speed steel punch with hardness HRC 63°±1		
	12 10	ck ring HU.BG9	③High precise	and interchangeable	with main brands
<b>15</b>	-ring P.Q-34,5 / 2,65	<ul><li>④ General use for punch head ass'y without assembling</li><li>⑤ Punch grind life is 6.0mm [0.24"], improves triple life time</li></ul>			
	<b>1 1</b> st	eel ball P.GZ-HU	_	e is 6.0mm [0.24"], impro e will be shorten cut by a	•
		uide		ickness is 6.0mm [0.2	
<b>1</b>	3 <b>1</b> 6 do	owel pin HT.T-2B	_	ubrication, deburring, ar	
	1 pla	astic plunger P.ZTJ-B			
		owel pin HT.BD9			
	<b>1</b> 9 <b>1</b> 9 di	e shim			

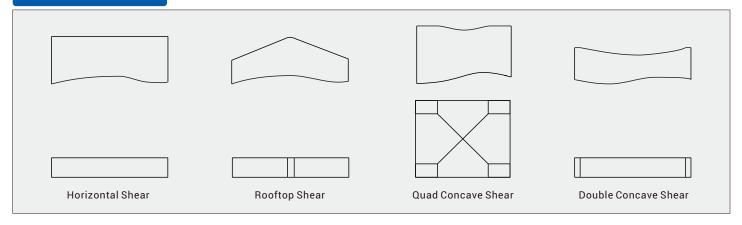




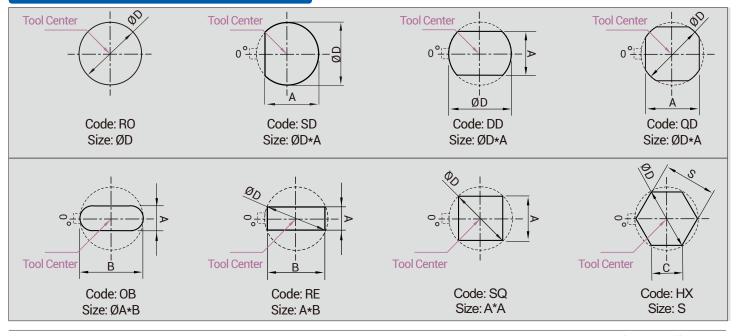
#### **PUNCHING PROCESS**



#### **PUNCH SHEAR**



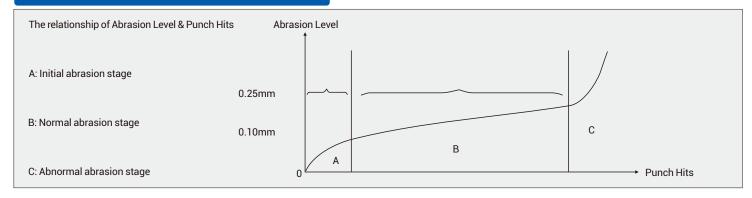
#### STANDARD SHAPE DIMENSION



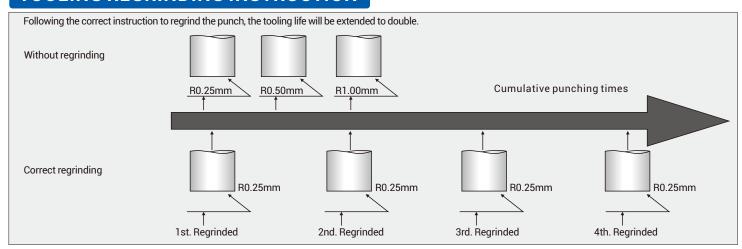




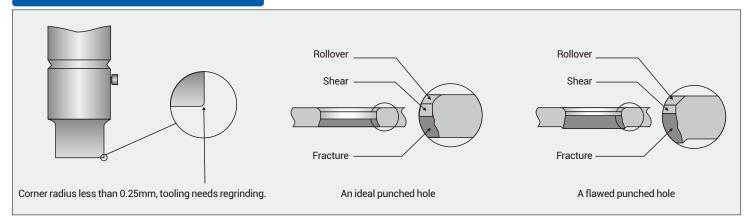
#### **ABRASION LEVEL & PUNCH HITS**



#### **TOOLING REGRINDING INSTRUCTION**



#### **TIMING FOR REGRINDING**





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