

Perfect tool for Stainless steel !

Incredible durability and defeated the common sense, "Stainless is hard to process". Reduced running cost by using Super Dry Punch as frequent used tool such as for auto index.



~ Conic No.1 wear resistance tool ~
Super Dry Punch (SDP)

Feature

- **Distinguished Durability**
Shows high performance for hard processed material.
- **Reduced the tool cost**
SDP lasts longer 3 times at least.
- **Non-lubrication**
Suitable for clean processing without any lubrication oil.

**TICN 20,000 hits
V.S.
SDP 82,000 hits!?**

Experimentation

Result 1 Strong wear resistance
It shows 4 times longer life comparing TICN coated punch from another suppliers.

	Other suppliers	CONIC
Treatment	TICN	SDP
Sheet Material	SUS304 t=2.0	
Oil	(None) Non-lubrication	
Number of hits	20,000 hits	82,000 hits

Result 2 Never peeled off
SDP is not just surface treatment, but it is penetrated inside punch material, so it will never peeled off and still works fine even after re-grinding.

Most efficient in long tool life and cost !

High performance for all purpose, especially for mild steel, galvanized steel with high corrosion resistance !
Special shapes are also available for this treatment.



Latest steel grade & custom engineered for all-purpose
CONIC Long Life Punch (CLP)

Feature

- **3 times hit ratio comparing HSS.**
Increased number of hits.
- **Increased product quality.**
Reduced burrs by high wear resistance.
- **Decrease machine down time.**
Stable processing without any trouble.



Conic latest punch newly launched !

In the environment where high speed processing and a great variety of sheet metals circulate, our duty is to realize "High profit punching process" for all of Conic customers.

Best solution for adhesion and galling !

Reasonable price and suitable for all purpose.
CHP shows high performance reducing adhesion and galling which is more likely to be caused by processing Aluminum and Coated steel sheet.



Suitable for all purpose, especially for Aluminum and Coated steel!
Conic Hard Punch (CHP)

Feature

Surface modification treatment processed on high speed steel which is totally different from conventional surface coating.

What is modification?

Increased hardness of surface and anti metal fatigue by refine and combine with metal crystal of punch surface, 10 μ.
(Increased hardness from Hv780 to Hv1,100~1,300)

How it works?

Smooth surface that makes better piercing and prevent from adhesion and galling in order to have stable processing.

Customer feedback

Great feedback for Aluminum and thin sheet metal. (Mild steel under t=2.3mm)!

- 310,000 hits. Still no problem. [A-company (Steel furniture, Main material : Mild steel)]
- 45,000 hits. Still no problem. The coating peeled off from another tool suppliers. [B-company (Switch board, Main material : Galvanized)]
- 140,000 hits. No adhesion and galling. [C-company (Kitchen equipment, Main material : Stainless)]

" **CONIC** "State of the art technology.
Leads to stable punching condition and lasts longer.

Treatment variation (Aptitude)

Total Performance	Punch type	Aptitude			
		SUS	SPCC	AL	Galvanized
High Performance ↑ ↓ Cost Performance	Super Dry Punch (SDP)	★★★★★	★★★★★	★★★	★★★
	Conic Long Life Punch (CLP)	★★★★★	★★★★★	★★★★★	★★★★★
	Conic Hard Punch (CHP)	★★★	★★★★★	★★★★★	★★★★★
	High Speed Steel	★★	★★★	★★★	★★★
	D2 Steel	★	★	★★	★

All type of tool, Amada, Murata114, Vulcan, Trumpf and Salvagnini can be treated above 3 treatments.
(Please contact Conic tool sales desk for pricing.)