



**Pacific Tools Pvt. Ltd** is a leading manufacturer of tablet tooling in the World today, having two state of the art manufacturing facilities. The company is professionally managed and is renowned today for quality, delivery and service. With our highly skilled work force, Pacific today meets the complex and challenging demands of the industry, producing World class quality tooling. In a span of just 15 years, Pacific has evolved as a tooling manufacturer , supplying tools to more than 25 countries. Our vision is to become one of the top tooling manufacturer in the World and we are in the right track towards this goal.

**PACIFIC TOOLS PVT. LTD.**



## Selection of steel:

The steel Pacific uses for manufacturing of tooling comes from Europe. The selection of the right steel is considered based on the formulation to be compressed, tablet design and the life expected from the tooling. Pacific has a range of steels to meet customer requirements and the following table gives a list of steels available with Pacific.

STEEL	CHEMICAL COMPOSITION										RECOMMENDED APPLICATION
	C	Cr	Mn	Mo	Ni	P	S	Si	V	W	
OHNS	0.90%	0.50%	1.20%	-	-	-	0.40%	-	0.20%	0.04-0.06%	NORMAL COMPRESSION FORCE
S-7	0.50%	3.25%	0.55%	1.50%	-	0.03%	0.03%	0.60%	0.2-0.3%	-	HIGH COMPRESSION FORCE
PS-1	0.50%	1.40%	1.25%	0.25%	0.15%	0.03%	0.03%	0.70%	0.20%	2.25%	HIGH TOUGHNESS
D2	1.50%	12.00%	0.30%	0.95%	0.15%	0.03%	0.03%	0.30%	1.00%	-	CORROSION RESISTANT & WEAR RESISTANCE
D3	2.20%	12.25%	0.30%	-	-	0.03%	0.03%	0.30%	0.50%	0.50%	CORROSION RESISTANT & WEAR RESISTANCE
440C	1.10%	17.00%	0.75%	0.40%	-	0.03%	-	0.50%	-	-	CORROSION RESISTANT
PM2	0.80%	4.10%	0.25%	5.00%	0.15%	-	0.03%	0.30%	2.00%	6.20%	FOR MULTITIP
PK3	0.54%	17.30%	0.40%	1.10%	-	0.03%	-	0.45%	0.10%	-	CORROSION RESISTANT & WEAR RESISTANCE AND HIGH COMPRESSION FORCE

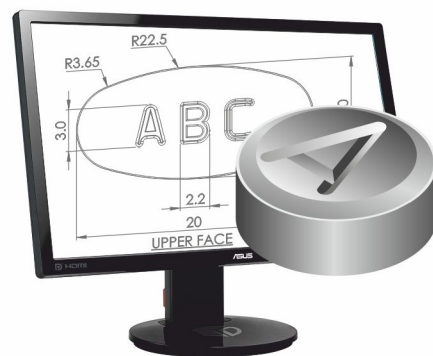
## Selection of coating:

Pacific has a wide list of coatings and the right coating is recommended by us based on the various issues faced during tablet compression. Over the years, Pacific has gained experience and are in a position to suggest the right coating for any particular product / application. The below list shows the coatings available to choose for the right application.

TYPE OF COATING	ANTI STICKING	CORROSION RESISTANT	WEAR RESISTANT
Hard Chrome Plating (HCP)	✓	✓	✓
Chromium Nitride (CrN)	✓✓	✓	✓
Multilayer Chromium Nitride (MCrN)	✓✓✓	✓	✓
Diamond Like Carbon (DLC)	✓✓	✓	✓
Titanium Nitride (TiN)			✓
Electroless Nickel Plating (ENi)	✓✓✓		
Pacific Lubricity Coating (PLC)	✓✓✓		
Pacific Hygroscopic Coating (PTC)	✓✓✓✓✓✓	✓	✓
Pacific Super Premium Coating (PCC)	✓✓✓✓✓✓✓	✓	✓
Pacific Hard Coating (PHC)	✓✓✓✓✓✓✓	✓	✓✓✓

## Designing of tablets

Tablet designing is an important area in which Pacific excels with our state of the art tablet designing software. Pacific offers 3D CAD drawing of the tablets as per customer requirements along with the details like Surface Area and Volume calculations.



## Multi-tip tooling

Apart from manufacturing a variety of shapes of tooling, Pacific is also a leader in multi-tip tooling. Multi-tip tooling helps in increased output of tablets and brings down the manufacturing cost substantially with time savings.



# Tablet Tooling Accessories

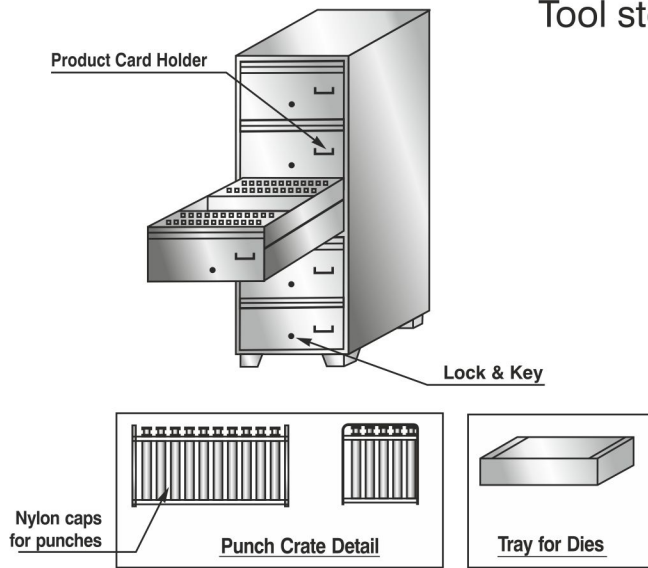
Automatic High Speed  
Punch Polishing Machine



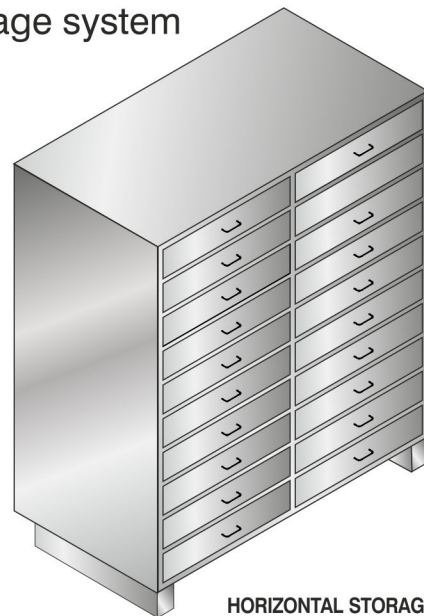
Automatic Tablet  
Tool Inspection Machine  
with e-tool Management



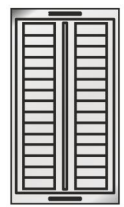
Tool storage system



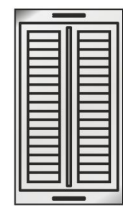
VERTICAL STORAGE



HORIZONTAL STORAGE



'D' TYPE PUNCH TRAY



'B' TYPE PUNCH TRAY



DIES TRAY



**PACIFIC TOOLS PVT. LTD.**

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