

JAYSHREE

Tabletting Punches & Dies.



Where there is a will, There is a way

The group was incorporated in 1992 and its current activity is manufacturing tablet tools for the Pharmaceutical, ayurvedic, candy, storage battery and ceramic industries for the home and global market.

The group is a merchant exporter in the field of pharmaceutical machinery and is a single source for a variety of machinery required by any manufacturer in the field. Our manufacturing locations at Ahmedabad (India) with a consolidated land area of 10,00 sq. Mts. We offer tablet compression toolings of various shapes like Round, Capsule, Oval and many more shapes as per demand by customer for various compression machines as per T.S.M. & euro standards.

What do pharmaceutical, ayurvedic, candy, storage battery, and ceramic manufacturers have in common ? They need for superior quality tooling from Jayshree Tablet Science Company! Jayshree supplies a spectrum of quality tablet compression tools and part to companies all over the world in many different industries.

**the
little engine
that
did...**



Being traveller is more dynamic rather than reach to the destination

Right-now our vision to reach the Jayshree Tablet Science as a one of the leading manufacturer of tablet compression toolings in World Map, but we know world is not enough at all..

We are also under continues developments of technological up-gradation that will be give us good success in coming future & provide us ability to manufacture any shaped tools for any industries

Tools for different Tabletting Machine

Due to more than one decades of database JAYSHREE can practically offer tools for almost any tabletting machine, few of them being listed below:

- Cadmach • China-ZP • Clit • Colton • Courtoy • Daniel • Erweka • Fette
- Hansect • Hata • Horn • JCMC • Kikusui • Killian • Korsch • Manesty • Narong • Ronchi
- Stokes

Steel Enhancement Coatings & Treatments

There are many coatings & treatments available that can be applied to tool steels to enhance the product. These are applied for the following reasons:

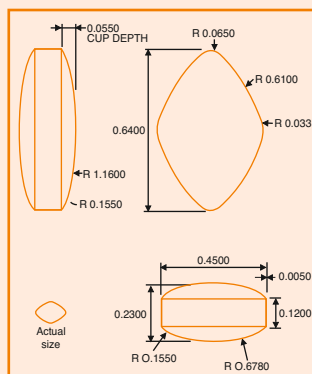
- Improve wear resistance
- Improve Lubricity for non-stick application.
- Corrosion resistance.

Types Of Treatments

- Hard Chrome Plating • Plasma Nitriding
- Cryogenic Treatment • Electrolless Nickel

Manufacturing Facilities

Auto Cylinder grinding machine, Auto Lathes with PLC Control, C.N.C Milling machine C.N.C. Wirecut, C.N.C. Pentograph, C.N.C. Lathe, Internal grinding with PLC Control CAD/CAM, Special Honing machine, Fluid Bed Furnace, Camshaft Grinding Machine



CAD Designing

We offer a comprehensive tablet design service at our facility in Ahmedabad using the latest 3D CAM software operated by skilled technical designer, 3D CAD allows visual design prototype tablet with accurate volume calculator.

R & D Facility

A special future of our establishment is our R & D facility, which provides assistance to tablet manufacturer in designing & redesigning of all type of tablet shapes to meet growing market & legislation demand. For that a tablet matrix checklist where you will be asked some general information. It will give us some consideration while designing new tablets.





Round (Dimple) Shape



Triangle Shape



Elongated Octagonal



Caplet Shape



Diamond Shape



Core-Rod Tooling



Rectangular Shape



Oval Shape

Mile-stone

Achievements are just a appreciation for us

We are working on many material & variety of complex shapes to generate them by using our latest technology and to fulfill the each & every type of demand from industries. We work with such a motto that can overcome any demand of the market like...

Cyrogenic Treated Tools



Tungstun Carbide Bushed Die



Animal & Fruit Shaped Tooling



Core-Rod Tooling



Hard Chrome Plated Tools



Sealed grove Punches



The Whole world is our market



Our Products

Each & every year, new customers come to the Jayshree Tablet Science for one primary reason : to benefit from the advantages the leader in the tooling industry can offer. Jayshree's formula for success starts with the use of highest quality tool steel, carbide & ceramic from the world's finest suppliers and incorporates skilled tools and tablet design engineering, the very latest in computerized Machine tools expert craftsmanship and a level of quality control that is unprecedented in the Industry.

Tools for Industries

- Pharmaceutical • Ayurvedic • Confectionery • Chemical • Veterinary • Ceramics
- Nutraceutical • Stationery & Cosmetic Industries • Nuclear Fuels • Industrial (Powder Metallurgy)

Punches -N- Dies & Their steel selection

Where The Total Quality Management Means

Experience has shown that quality tooling cannot be produced without the use of quality raw materials, manufactured to strict specification, For example, we exclusively use electric furnace-Produced steel, vacuum melted in 100,000-pound heat to aero-space tolerance for uniformity and cleanliness. All pharmaceutical tooling is formed from high-nickel, high-chrome shock steel that must meet Jayshree's strict requirement.

Among the many factors that go into steel selection for the manufacturer of punches & Dies for the tablet are tonnage required, chemical atmosphere, abrasive nature of the product, turret speed, cup depth, location of embossing, bisect land and physical condition of press. For general punch application oil hardened nonshrinking steel S grade are chosen because they combine high toughness and low to medium wear resistance. The principal alloying elements in this steel are manganese, silicon and chromium, tungsten, molybdenum in percentage wise. It is applicable to all pharmaceutical industries in normal application. We call it as a Jayshree-S (Standard)

For high wear application D-2, D-3 High carbon High Chromium steel is recommended D-2 HCHCr steel are abrasive resistance but don't have the ductility or toughness of the S grade of steel. D-2 Punch are susceptible to cracking and caution must be exercised in application with embossed & deep cup punches. D-3 steel is used for Dies only. These grades of steel are referring as premium steel for tools. We called it as a Jayshree-P (Premium) For corrosive products SS 440c stainless steel is used for the punches. This grade has low toughness rating and wears resistance falls between S& D series of steel. It is applicable to chemical industries where corrosion is the main factor than wear resistance. We called it Jayshree-440C.

For Prolonged Tool Life S7 is suggested.

Please note that no single tool material has combine maximum wear resistance. toughness corrosion resistance. Consequently, the selection of proper steel for punches & dies may require an optimal combination of properties.

Multi Tip Tooling



Jayshree Tablet Science

Mfg. & Exporters of : Tablet Dies & Punches

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