

LASTING IMPRESSIONS THROUGH TECHNOLOGY



 Imperial Pharmachines

PROFILE

Founded in 1968, on a commitment to provide high quality tablet compression tools for the pharmaceutical community, we aimed to be a significant element in the advancing and critical healthcare industry.

Today, we cater to a variety of pharmaceutical needs, through our sophisticated manufacturing facilities. Our perseverance towards quality and perfection compelled us to invest in systems, processes and methods that are on par to global best-in-class practices. This can be depicted by the fact, that one-third of our total production, is exported globally.

UNDERSTANDING YOUR NEEDS



Our commitment to help you enhance your business begins with understanding your needs. We not only sift through technical data, but also work with you to develop customised offerings that are most suitable to your needs.

- Un-common tooling for machines like Stokes, Killian, Ronchi
- Hard chrome plating to prevent corrosion and rusting due to granule characteristics
- Irregular shaped tooling to give the tablets a unique identity
- Tablet design as per weight, shape and embossing requirement
- Plastic ProtoTab of the tablet to help you design the final tablet, during the drawing stage before making the tooling

MASTER HOB

Realising the fact that the Master Hob is the most critical unit in the process of creating tablet compression tools, we use a tailor-made CAD package to arrive at a perfect tablet design. This package is integrated with a CNC engraving set-up to generate complex surface & engraving.



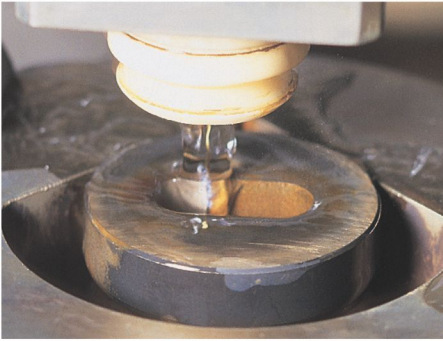
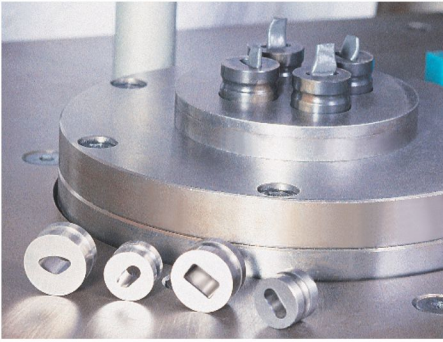
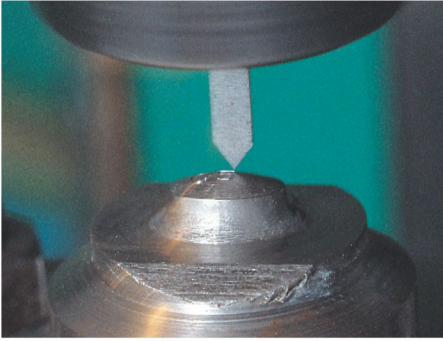
SPECIAL TOOLING



We recognize that you have unique requirements. We cater to these requirements through:

- Core-rod tooling
- Carbide tipped punches
- Tungsten carbide lined dies
- Teflon tips for effervescent tablets
- Rotating head for shaped punches
- Bakelite Relief / Threading on lower punch
- Multi-tip tooling

QUALITY ASSURANCE



Quality being our hallmark, we follow a rigorous control regimen. To deliver high quality goods with fierce consistency, here is what we do:

- Follow IPT and Euro-norms for standard tooling
- Use only premium alloy tool steel to ensure longer tool life
- Check each piece for hardness & critical dimensions
- Use a heat treatment technology that ensures a uniform micro-structure and consistent hardness
- Polish all punch cavities and die bores to a perfect mirror finish, to enhance the quality of tablet and the tool life
- Use state-of-the-art technology to develop designs through CAD/CAM supported CNC machines. This also helps maintain consistency and quality of the final product



QUALITY CONTROL EQUIPMENT

In keeping with our philosophy of ensuring the highest standards of quality, we offer various quality control equipment. These help you maintain and regularly service the tooling. These include:



STORAGE CABINET

Punches are damaged more during their handling than in production. This cabinet provide a safe storage option for your tools

- It enables systematic and indexed storing of tools
- Protection from dust, moisture and mishandling
- It's compact design, frees floor space



PUNCH CAVITY POLISHING KIT

Each punch tip is made to a very high degree of accuracy. A little wear & tear can result in production of excessively dull tablets, or sticking and picking problem.

Polishing the punch cavity is an important exercise to ensure the integrity of the tableting process. This kit helps you in acquiring the original cavity finish, and thereby ensuring a better finish tablet and trouble free production.

THE INSPECTION KIT



Prolonged usage of punches and dies can cause problems like - weight variation, tablet hardness variation, excessive powder seepage, and bending of small size punch tips. These inconsistencies can be addressed by the Die-punch inspection kit:

- Inspects height uniformity of all the punches
- Checks punch body to punch tip concentricity
- Checks Die bore Go / No go status
- Checks all other important dimensions



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