



STEEL SELECTION

For strong wear resistance and long tool life, steel selection is very important stage of tool production.Yener Kalip uses quality steel types for tool production.Quality steel with proper heat treatment and sometimes special coating prevent tools from wearing and sticking.

Thousands of steel types are available but only a few meet the complex design and functional requirements of tablet tooling. Each has distinct characteristics based upon the elements (and their percentages) that make up the alloy. Performance of the tooling will in part to be a function of steel type selected. The properties required of steel in tablet tooling vary according to the chemical characteristics of the compound being compressed, the design of the tablet & the duty cycle of the press. Yener Kalip has various type of steel that meet customers needs.

COATING AND TREATMENT

We are using certain treatment process of all our tool steels. It is very important because if we want to optimum compress performance it depends also treatment quality. The right treatment method for each application is absolutely key to the successful performance of your tablet compression tools.

If you offer CrN plated punches, you have excellent tool durability and you won't sticking of pressed compound. We have been coating your punches CrN (Chronium Nitrite) more than a decade by using Arc CrN coating. The metallic silver color is similar in appearence to polished stainless steel.Also it's non-toxic so that it isn't hazardous for human body.Thus, your punches work much more longer and efficiently.

CrN performs well under the high loads experienced in medium and heavy forming of carbon steel, aluminium and copper alloys. CrN also performs well in hot forging and die casting applications where its hot hardness, oxidation resistance, and low thermal conductivity prevent erosion, abrasion, wash out and cold welding.

When considering a tableting application, it is important to analyze the following criteria;

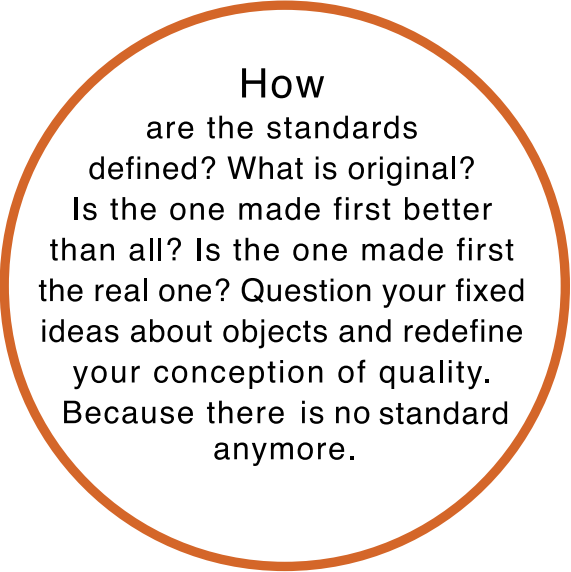
- . Physical Properties of the Granulation – its abrasiveness, corrosivenessi lubricity etc.
- . Dimensional Data of the Punch Tip – its sharp, cup depth, land, engraving etc.

If you need further instructions please don't hesitate to contact to us.



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Your faithful clockwork staff.





# Long-lived Solutions

For 30 years Yener Kalip has built and maintained its position as one of the Turkiye’s leading suppliers of tablet compression tools to pharmaceutical, industries across the Turkiye.

Based in İstanbul, Turkiye our site consists of a modern manufacturing and development facility, as well as our main business office. Using specially developed materials of the highest quality, we combine the latest manufacturing process with state of the art Quality Assurance Technology to bring you tooling that delivers outstanding performance. Yener Kalip has set the standard to which the tooling industry aspires, helping tablet manufacturers to achieve increasing quality and productivity targets.

Yener Kalip is innovative, high quality provider of punches & dies.Our aim is to build up the service and equipment business with maximum effort and commitment in the next years. Our mission is to know and understand our customers needs better than our competi-tions and to deliver exceptional value to every customer. We are one step closer to our vision of being the global innovative quality leader for sophisticated punching tools. For example multitip punching.We are very successful about multitip punches & dies.



Punches and dies are integral part of tablet production.With punches and dies, tablets reach the final shape and dimension.Because of that the production of punches and dies must be very sensitive.During tablet production punches are exposed to big pressures and abrasive and corosive powders or granules.

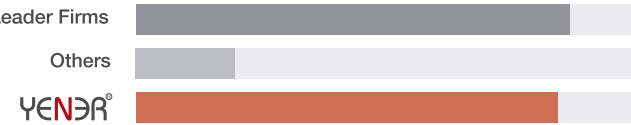
Yener Kalip is delighted to offer all shaped tooling as standard.Designing a tablet has always been a complex task, requiring expensive equipment.We can handle all common tablet shapes; round, capsule, oval and modified oval, triple radius (simulates ellipse), square, rectengular and pillow, diamond, regular polygon, triangle, heart, etc.. Punnches & Dies with or without embossing, letter, logo or monogram of company’s product engraved confirming to Eurostandard / LPT standard tolerances.

Yener Kalip have been providing technically advanced, high-end tableting solutions for a long time.We can produce all type of Punches and Dies which fit any tablet press.

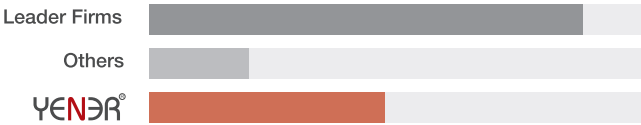


**Increase your tablet output with multitip tablet tools from the Yener Kalip.Multi-tip tools allow you to produce at a minimum double your normal output in the same amount of timefor your current run. Depending upon the tablet size and number of tips that can be used on one tool.This equals not only cost savings, but also a production time savings.**

## Quality



## Price



# notes

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