

Eliminate Galling, Make Form Tools Last Forever!

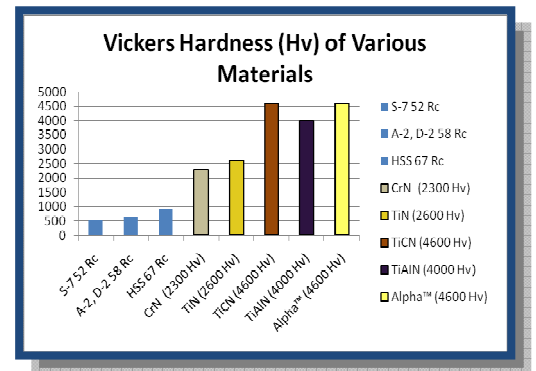
with High-Performance PVD Coatings

PVD coatings on your form tools reduce galling and polishing and can increase your tool life by 6 to 10 times, or more.

These coatings (CrN, Alpha™, TiCN and TiN) are much harder than carbide, inert and very lubricious. When applied to form tools, they provide a surface that is very hard and wear resistant, reduce friction, and reduce the tendency for other metals to stick to that surface, resulting in the following benefits.

Coating Benefits Include:

- *6 – 10 x longer life over uncoated form tools.*
- *Reduced tool galling, less die polishing.*
- *Reduced friction, resulting in better forms and higher quality parts and less need for lubrication.*
- *More up-time and less rework, all resulting in more profits.*



Since coatings only cost 5 – 10 percent of what a new tool costs, every dollar (\$1.00) spent on coatings results in up to one hundred dollars (\$100.00) in additional tool life.

Alpha™ (left picture), TiCN and CrN (top) are the three premium coatings we offer for forming, but TiN will also work. They typically outlast TiN by two to four times due to either their higher hardness (see chart above) or greater thickness (TiN, TiCN, and Alpha™ ≈ 0.0002”/surface, CrN ≈ 0.0003”/surface).

By increasing tool life 6 to 10 times, or more, every dollar spent on coatings will put hundreds of dollars back into your pocket.

Optimize your tool life, give us a call today!

Surface Solutions

Incorporated



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Since coatings can be chemically stripped without damaging the base material, our astute customers use stripping, repolishing and recoating of their tools to essentially make their tools last forever.