

AMMUNITION



25
YEARS
FIXING
THE FUTURE

Globalization presents new challenges to business. For TEMSA, it is vital to diversify its products, and one of them is to serve the **military industry**. By all means TEMSA intends, to advice and **manufacture ammunition tooling** with the maximum quality and using **advanced carbide grades** and **special steels**. **CNC grinding centres** make possible grinding pointed shapes completely finished with a mirror polished surface. CNC grinding replaces traditional eroding process and manual polishing. **Grinding and polishing** of the inner shape of all forming tools is done in one step with a perfect tangent between cone and radius.

Accurate grinding and polishing process in pointed forming dies replaces eroding process and manual polishing

All profiles for forming and pointed dies as well as the different punches, are processed on high precision grinding centres on a single operation, ensuring perfect tangencies between cones and radius.



- 1 **Advice** on carbide and steel grades for different applications.
- 2 ± 0.005 mm **tolerances**.
- 3 Perfect **tangent** radius.
- 4 CNC grinded and polished **pointed dies**.
- 5 The whole **profile** is processed on a single operation.
- 6 **Large number of shapes** with very high geometric complexity.
- 7 **Mirror polishing**.
- 8 **CAD-CAM** simulator during the grinding process.

