

ROBOT MACHINING



Aitiip Technology Centre acquired in 2008 a **KUKA KR 60 HA** (high precision) robot to research the methods of machining by robot, and automate operations currently performed manually.

The results of this research project, have allowed us to acquire enough knowledge to apply these technological processes of manufacturing tooling and parts with a considerable increase in business competitiveness thanks to the reduction of manual activities still exist in these sectors.

The new integrated machining and polishing technology that we have developed in Aitiip using robot for the automation of operations allow us to offer:

- Improved **product quality**. The die and mold, polished with the new system have a high quality finish, uniform in all areas, so that the quality of the production means generated by metalworking companies are optimized.
- Improved **end product quality**. The improved surface quality of the production means, will result in an improvement in the quality of the parts manufactured with them. Hence the benefit is transferred to its customers, business aviation sectors, renewable energy, automotive, white and brown goods, household items, and others.
- **Reduced manufacturing costs**. The automation of polishing processes allow a reduction of time spent on their achievement, which will reduce costs for these processes, impact on the final cost of project, thereby improving its competitiveness and position of these companies in the market against competitors.
- **Reduction of "time-to-market."** By accelerating these processes, the overall project time is being reduced, allowing to put products into market earlier which is, on the other side, the current market trend.