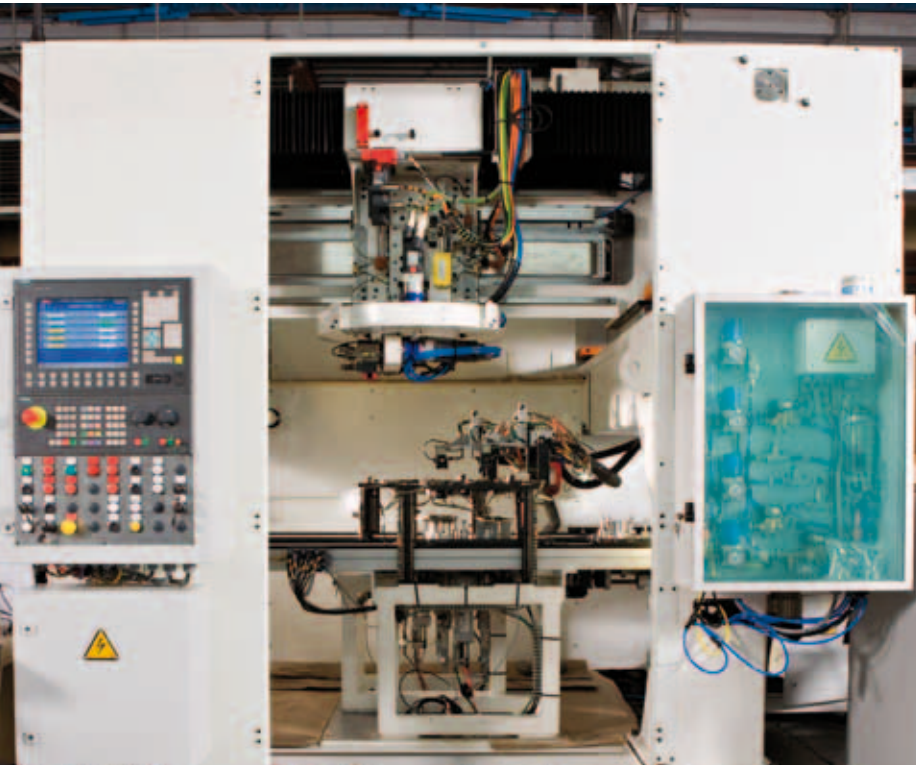


Laser welding and special-purpose laser application machines



- Optimized productivity
- Top quality welds
- Operation under normal atmospheric pressure
- Low maintenance costs

→ Designing today the machining solutions of the future



Welded camshaft flange

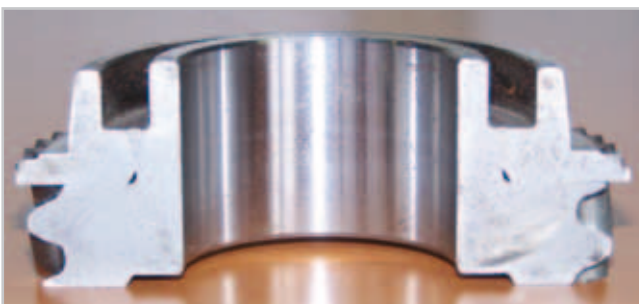
Laser welding and special purpose laser application machines have been developed to weld mechanical parts in general with special emphasis on manual or automatic gearboxes. While optimizing productivity, the systems produce high quality consistent welds:

- Energy imparted to the component is minimized
- High welding speed
- The beam can be guided into hard-to-reach areas;
- Low maintenance cost
- Welding is performed under normal atmospheric pressure in an inert gas

Fives Cinetic can propose fully equipped lines including washing machines, preheating station and on-line ultrasonic control station, as well as the related automation systems.

Fives Cinetic can also implement CO₂, YAG or fiber laser technologies for applications such as cutting, wire stripping, surface treatment or marking.

Cinetic Machining, the machine tool expert, from design to repair and rebuild.



Laser welded gear (sectional view)



Automatic gearbox component

