

# Gear Technology



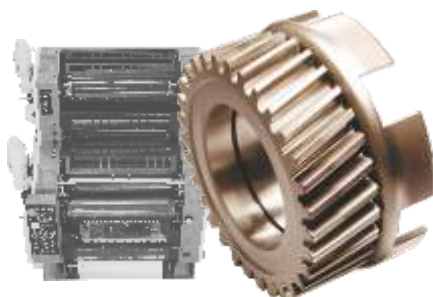
**General**

With a modern machine park and the superior skill level of our associates Framo provides solutions for complex machining tasks. Our decades of experience in the manufacture of complete gear units enables us to fulfill expertly our customers' requirements. Framo covers every production process relating to gear technology - from machining before heat treating via hardening through to machining after heat treating - all in house.



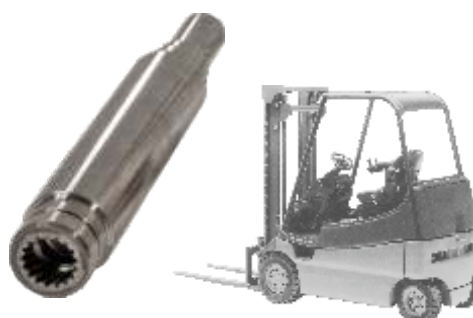
**Sample Applications**

**Rotor shafts, pinions and gears** for drum motors used in the automotive and food industries, materials handling equipment at airports and in mechanical engineering.

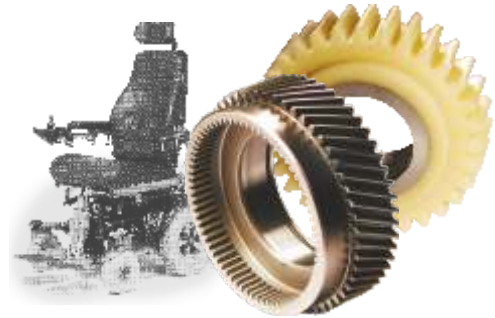


**Gear wheels, internal gear wheels and sprockets** for printing and print processing machines.

**Shafts** for forklift motors require high-quality materials and the highest precision in order to sustain heavy loads.



**Rotor shafts, pinions and gears** for wheel chair drives and stair lifts. For sanitary equipment, quiet running and safety are most important.



**Internal gear wheels, gears and pump gear wheels** in motors and transmissions for building machinery have to be designed for maximum load capacity and durability.

### Basic Information About Gearing

Classification	Gearing type	Module from - to	Dimensions	Production method	Heat treatment	Materials
Spur wheels, Rotorshafts and other components of drive technology	External-/ Internal gearings Spur toothed Helical toothed	0,5 - 6	Lenght up to 480mm  Diameter up to 330 mm	Turning Milling Shaving Grinding Hobbing (to module 1,5 and Ø100) Slotting Broaching	Case hardening Gas nitriding: Long-time/Short-time Hot salt quenching Induction hardening Tempering	Free cutting steel Case-hardened steel Heat-treated steel Nitriding steel Nonferrous metal Laminated plastic Plastic material Aluminium