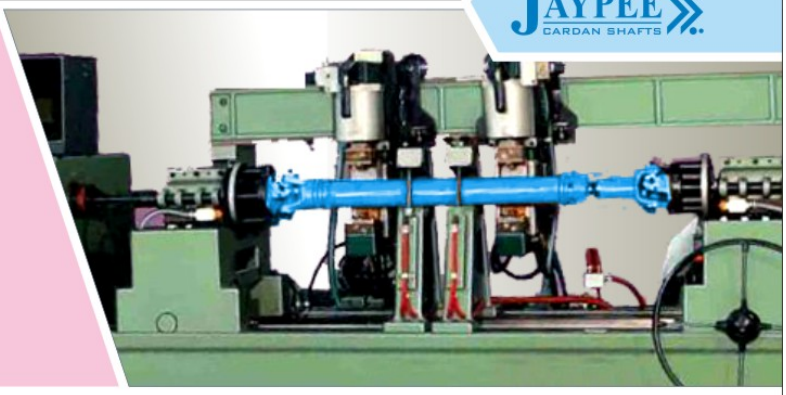
Balancing of Cardan Shafts



Unless same low speed is required, as a rule cardan shafts are balanced dynamically. Dynamic balancing guarantees smooth running of the cardan shafts, minimizing the load on the bearing caused by centrifugal forces.

Depending on the specific requirement balancing is done in various quality categories.

Balancing quality	Service Conditions
G-16	Cardan shafts with special requirements
G-40	Cardan shafts for general use

Or calculate by the following formula

$$U_{R\,zul} = \frac{G\text{-}30000}{TT.n}$$

$U_{R\,zul}$ = Permitted unbalance quality [gmm/kg]

G = Balancing quality (16 or 40)

n = Speed (RPM)