

Typical Power Transmission Efficiencies

Machine	Typical Efficiency
V-Belt Drives	95%
Timing Belt Drives	98%
Poly-V or Ribbed Belt Drives	97%
Flat Belt Drives, leather or rubber	98%
Nylon Core	98% to 99%
Variable Speed, Spring Loaded, Wide Range	
Compound Drives	75% to 90%
V-Belt Drives	80% to 90%
Cam-Reaction Drive	95%
Helical Gear Reducer	
Single Stage	98%
Two Stage	96%
Worm Gear Reducer	
10:1 ratio	86%
25:1 ratio	82%
60:1 ratio	66%
Roller Chain	98%
Leadscrew, 60 degree Helix Angle	65% to 85%
Flexible Coupling, Shear-Type	99% +

Western Dynamics