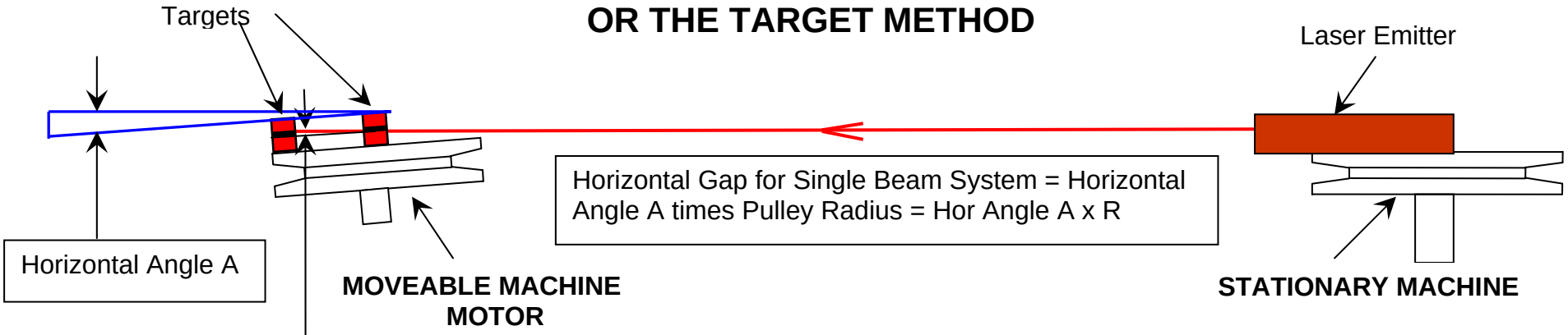
OTHER SYSTEMS WITH SINGLE LASER BEAM OR THE TARGET METHOD



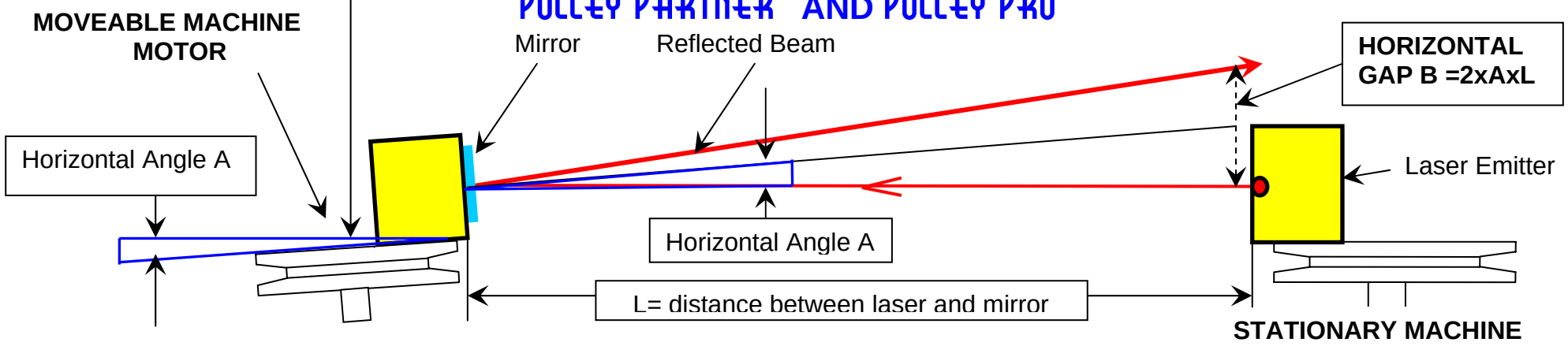
Horizontal Gap for Single Beam System = Horizontal Angle A times Pulley Radius = Hor Angle A x R

HORIZONTAL GAP A is measured on the pulley radius

Horizontal/vertical angularity depends on the distance between the targets mounted on the pulley. Usually it is the pulley radius. The angular resolution can be very poor for small pulleys.

ADVANTAGE OF PATENTED REFLECTED LASER BEAM TECHNOLOGY

PULLEY PARTNER® AND PULLEY PRO®



Horizontal Gap B for Reflected Beam System = Horizontal Angle A x L x 2

Example: V-belt drive has 10 inch dia pulleys. Distance between laser and reflector is 50 inch. Calculate the optical gain of the reflected beam system over the single beam system:

(Hor Gap of the Reflected System)÷(Hor Gap of the Single Beam System) = (Hor Angle A x L x 2)÷ (Hor Angle A x R) =

2 x L÷R = 2 x 50÷5 = **20 times better than any target method.**