



# COMPARING SPECIFICATION

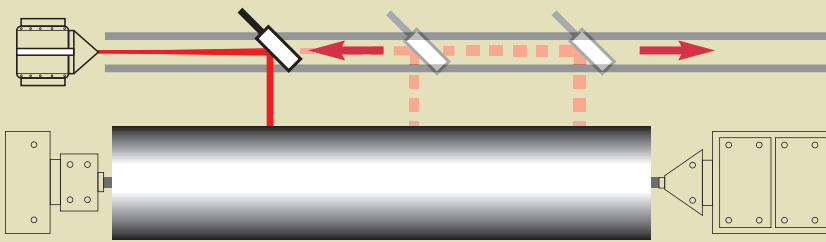
## MOVING LASER ▶ VS MOVING CYLINDER ▶ VS MOVING OPTICS

The movement between the laser and the engraved roll surface is critical for high graphic and high reliability direct engraving of flexographic printing sleeve and plates.

**PRECISE AND CONSISTENT MOVEMENT IS ESSENTIAL. VARIATIONS IN MOVEMENT = SCRAP**

### ★★★ MOVING OPTIC SYSTEMS ★★★

1) Moving optic has variable beam path. Dot size and shape can change across width.

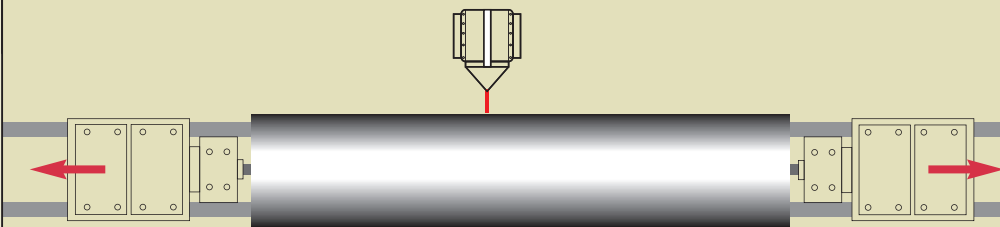


*Moving optics = Variable laser beam*

### ★★★ MOVING CYLINDER SYSTEMS ★★★

1) Cylinder movement is adjacent to engraving head, high potential for cross contamination of precision mechanics;  
2) Has maximum (14) number of dynamic contact points.  
High risk of movement during engraving;

3) Cylinder movement can change according to roll weight or size or balance. Depends upon dynamic balance, accuracy and consistent weight of roll for good performance.



*Laser beam fixed and stable*

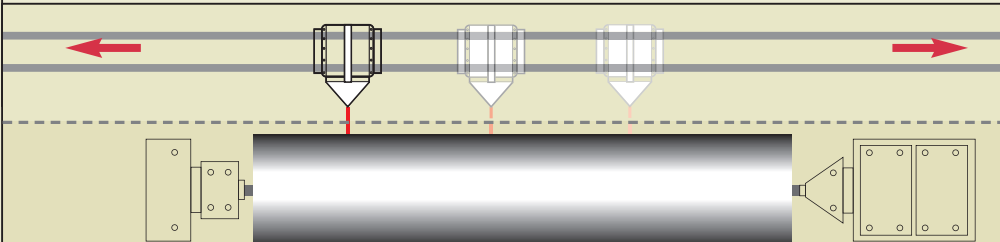
*Cylinder movement exposed to contamination*

*Cylinder has 14 point dynamic contact*

### ★★★ LEAD LASERS MOVING LASER SYSTEM ★★★

1) Laser movement is remote from engraving head, giving optimal clean conditions;  
2) Minimises number of dynamic contract points to 8;

3) Laser movement and control is totally indendentant from roll weight, size or balance;  
4) Stable fixed beam path. Optimal laser performance.



*Laser beam fixed and stable*

*Laser movement protected from contamination*

*Cylinder has 4 point dynamic contact*

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