

CM-Series External-Mount End Block

The CM is our smallest external-mount end block and is an excellent choice for smaller systems or R&D systems.

There are two designs: one for a 125 mm ID and another for an 80 mm ID target.

External end blocks have a wider substrate coverage than internal models.

To match any system, drive shaft length is customizable, and drive motors can have 360° positioning around the main housing.

Magnet bar adjustments—to any angle—are made externally. All utilities are external and remain attached during target changes. The water seal cartridge is easily accessed for quick replacement.

Use in new systems or upgrade from planar systems.

SCI can provide coater integration support.

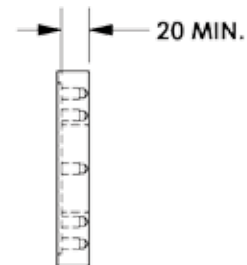
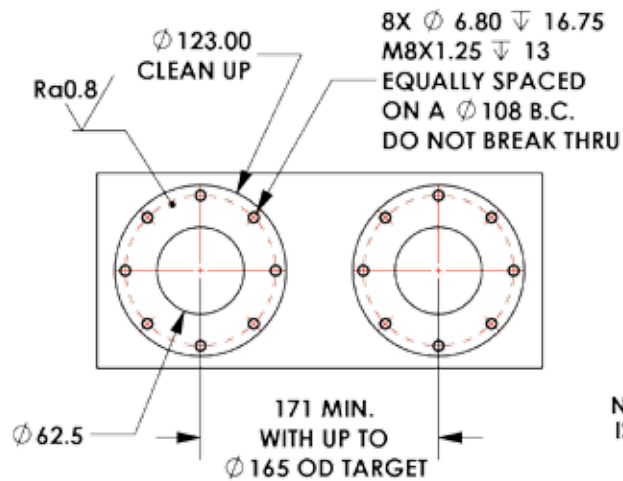
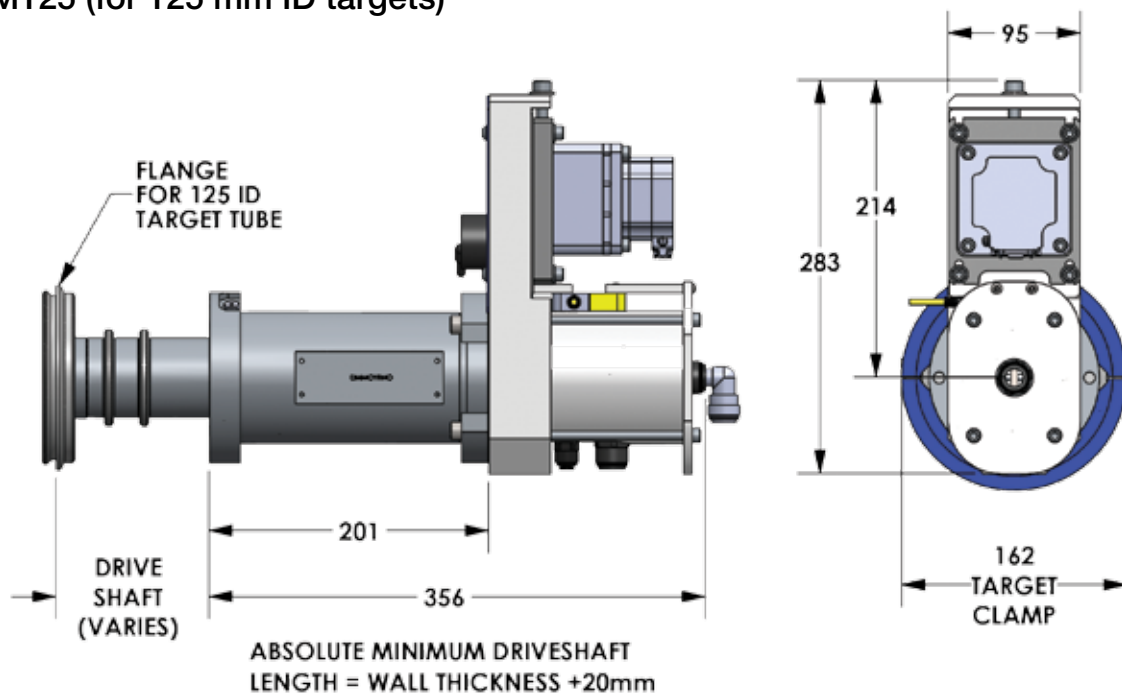


Patented CM end block

TECHNICAL SPECIFICATIONS

Maximum Power	▶ 20 kW DC or MFAC
V/A	▶ 1500 V 50 A
Maximum Target Length	▶ 1000 mm
Maintenance	▶ 1 hr./yr. average 3 hrs. for a rebuild

CM125 (for 125 mm ID targets)



NOTE: THICKER THAN 20mm PLATE IS RECOMMENDED TO INCLUDE A PILOT BORE FOR THE CATHODE.

Cantilever capability

Metric: $XY/2 + 16X^2 \leq 39$

Imperial: $XY/2 + 0.9X^2 \leq 3,400$

X = Backing tube length (meters or inches)

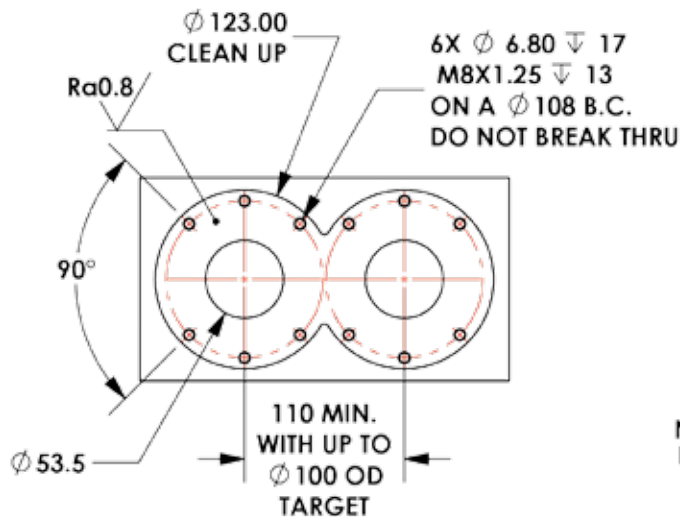
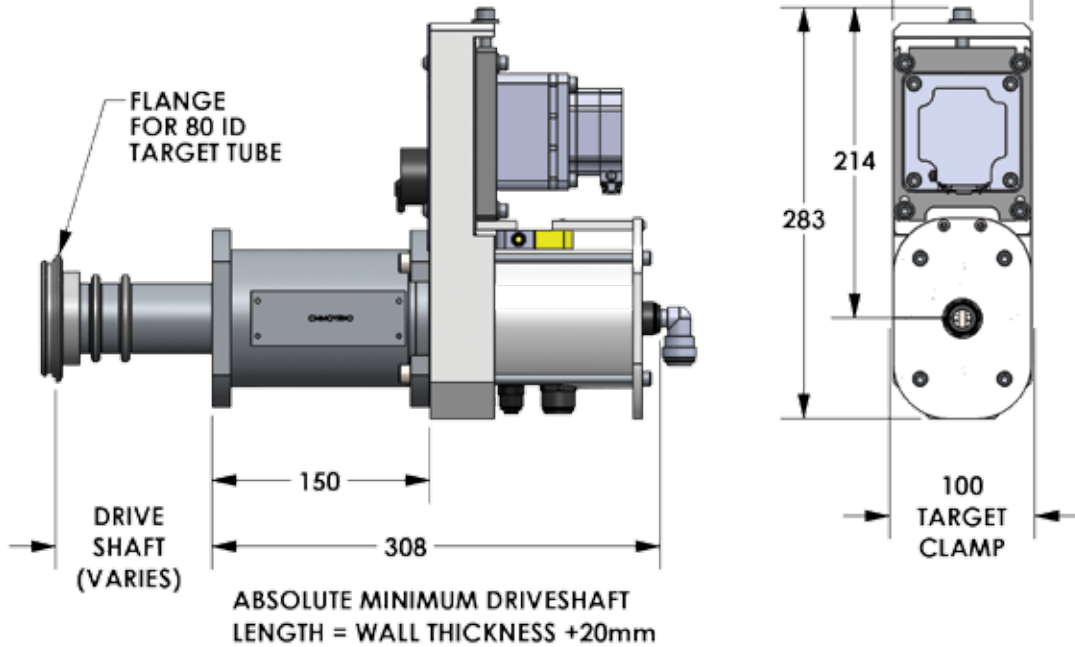
Y = Weight of target (kg or lb only)

Notes: The formula assumes a stainless steel backing tube; other materials may not qualify.

The formula must be adjusted for long drive shafts or if a RAM-Bar™ will be used.

Dimensions in mm

CM80 (for 80 mm ID targets)



NOTE: THICKER THAN 20mm PLATE IS RECOMMENDED TO INCLUDE A PILOT BORE FOR THE CATHODE.

Cantilever capability

Metric: $XY/2 + 10X^2 \leq 19.5$

Imperial: $XY/2 + 0.33X^2 \leq 1,700$

X = Backing tube length (meters or inches)

Y = Weight of target (kg or lb only)

Notes: The formula assumes a stainless steel backing tube; other materials may not qualify. The formula must be adjusted for long drive shafts.

Dimensions in mm