

Compact by Design

Cell Phone Glass Processing Highly Precise Positioning Equipment

Application Challenge

An OEM was challenged with building a lapping machine for creating smooth cell phone cover glass components within tight tolerances. This required a work-holding device to control the vertical articulation of a lapping wheel assembly for this high precision application.

Project Solution

Compact provided a customized size 3C collet closer with a special top mounting flange. The collet closer also included a clean room option for this custom grinding/polishing machine. The collet closer has an anodized aluminum body with high gripping force and is light weight as to not increase weight to the lapping/polishing arm, it also improved rigidity for the polishing process. For each machine a total of four collet closers are used.

Customer Benefit

With the introduction of the Compact 3C collet closer to the OEM's glass lapping/polishing equipment, the right amount of accuracy is added to the manufacturing process. Due to its high precision and quality, the equipment is now the recognized choice for the world's most high-visibility cell phone manufacturers.

