

Finishing Equipment Supporting FUTA-Q Quality

Finishing Equipment in FUTA-Q

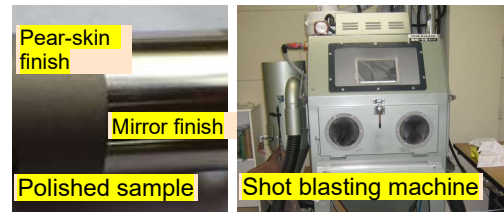
The finishing is a crucial process to meet clients' requirement, for example making a mirror surface or pear-skin surface as requested. FUTA-Q is equipped with multiple finishing equipment for different materials or purposes.

The finishing equipment FUTA-Q has are as follows.

Equipment	Features	Notes
Shot blasting machine	Polishing agent such as alumina particle ejected from a nozzle with compressed air hits a product surface to smoothen the surface.	Please refer to the following A.
AERO LAP machine (Mirror polishing machine)	This works on the same principle with that of a shot blasting machine. Mirror finishing can be done using special wet polishing agent.	Please refer to the following B.
Centrifugal barrel polishing machine	A plurality of barrels making planetary motion polishes works by giving them high pressure and speed.	Please refer to the following C.
Rotary barrel polishing machine	The works put in a rotating barrel with polishing agents are polished by rubbing each other.	Deburring for metals
Buff polishing machine	A buff, a bundled rag, applied with polishing agent is pressed against a rotating product surface to polish it.	For making mirror finished surface

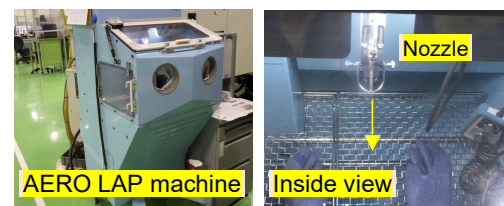
A. Shot blasting machine

By using a different kind of polishing agents, this can be applied to a wide range of applications such as deburring, scale removal, surface roughening. The left half in the photo is finished as a pear-skin surface while the right half is finished as a mirror surface.



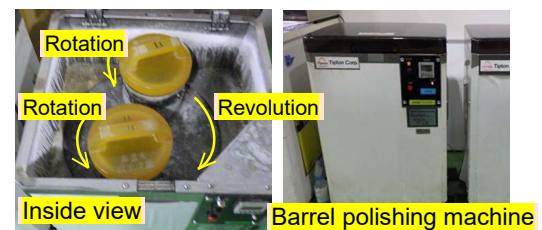
B. AERO LAP machine (Mirror polishing device)

Buff polishing leaves small scratches (swirl marks) on the finished surface. For a product requiring a mirror surface or having a complex shape, the AERO LAP machine is used.



C. Centrifugal barrel polishing machine

Products are put into the barrel with abrasive grain, a liquid, and a polishing powder. The barrel rotates while the bottom plate where the barrel sits on revolves. By using a different kind of abrasive grain, this can make a surface with various roughness from a rough one to a glossy one.



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