

# Offline Cr Paper Polishing Unit

## Automatic Cr Polisher

Pp

Same Best Quality all the time.  
Prevent from printing defects instantly.

Now, new style is ready with automatic feeding type. You can customize the angle and frequency of times to have same best cr surface finished quality. You can be surely prevent from printing defects to keep stable condition. There is also a fully automated type to work with New FX3, producing 80 cylinders a day with one operator



handling unit to support loading cylinder is equipped within standard model. No human power is needed for lifting heavy cylinders.



automatic paper feeding unit

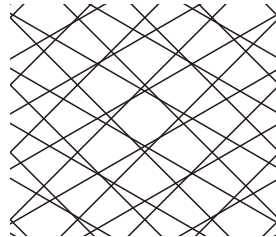


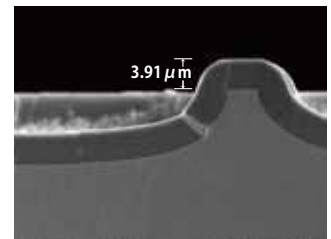
image of special polishing pattern



polished surface on cr with LED

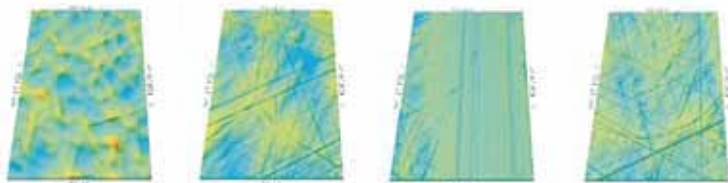
Even Printing 200,000m, not much of Cr is scraped off. 4μm of Cr thickness is ENOUGH.

Job print more than 10,000m is getting limited nowadays in the market. In these situations, we believe plating Cr thickness of 8μm is too much. Based on our test, only less than 0.1μm is scraped off from 4μm Cr plated at the 200,000m print run. It is so tiny that doctor blade will make smooth flat surface and not able to see it afterwards.



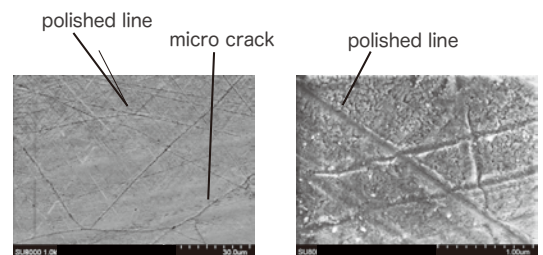
no change of Cr wall thickness after printing 200,000m

### Comparison of Cr surface roughness (non-image)



① after Cr plate    ② after Cr Polish    ③ after printing 200,000m    ④ after re-Cr Polish

Checking the surface right after the Cr plate ① and process the Cr polish ② and check the surface after printing 200,000m ③ doctor blade made smooth flat surface and not able to see the polished line. When you re-Cr Polish this cylinder, ④ surface becomes like before ② again



picture surface of Cr (both micro crack and polished line width is about 0.1~0.2μm)

#### Main Specification

- face length 350~1300mm, circumference 400~940mm
- one push makes an automatic cylinder size measurement
- customize the angle and frequency of times
- Equipped handling unit will help you to chuck heavy cylinders
- may use as dry or wet surface
- standard size in cycle of 3 to 10 min
- easy to change the mirror film (manual / automatic type)
- can be modified as explosion proof upon request