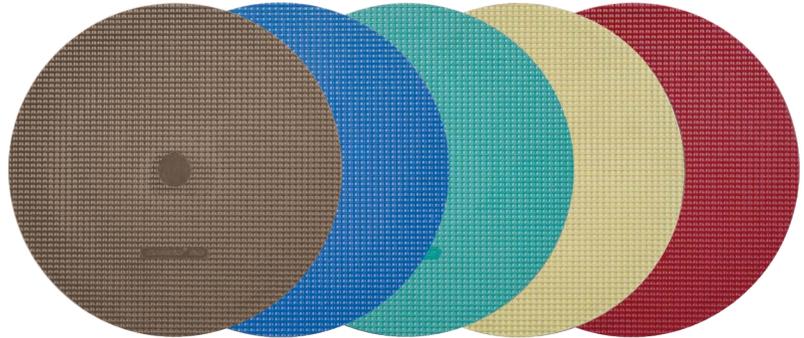


# CAMEO<sup>®</sup> Disc System

## Metallographic Sample Preparation

### CAMEO Platinum Series

The Platinum Series consists of diamond-grinding discs designed to flatten samples in a minimal amount of time. The CAMEO's patented structure provides uniform coolant and lubrication distribution. The magnetic adhesion system provides quick application and removal of the desired CAMEO disc.



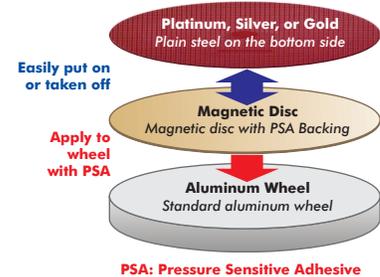
### The CAMEO Disc System Advantages

- Excellent sample flatness
- Convenient magnetic attachment system
- Consistent removal rates
- Affordable for any metallographic lab

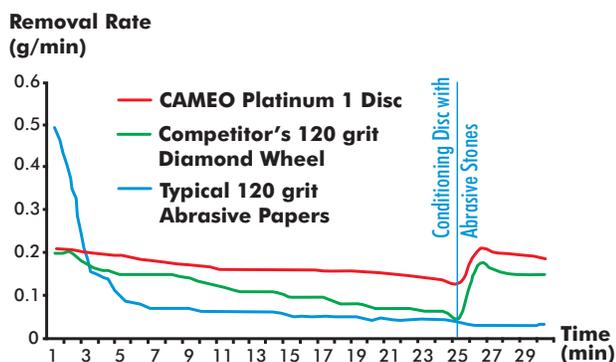
The key to CAMEO's success is the patented honeycombed structure. This system is ideal for materials with a hardness of 120 HV or greater.

Platinum CAMEO Disc	Color	Grinding Performance is Similar to this Abrasive Disc (CAMI)
Platinum 0	Brown	60 to 120 grit
Platinum 1	Blue	120 to 180 grit
Platinum 2	Green	220 to 280 grit
Platinum 3	Yellow	400 grit
Platinum 4	Red	600 grit

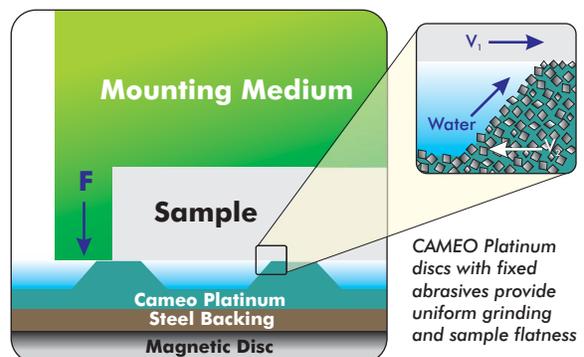
### Grinding/Pre-Polish Process



### Stock Removal Comparison



### Platinum CAMEO Cross Section



## CAMEO Silver and Gold Series

The CAMEO Silver and Gold Series are pre-polishing discs designed to replace 400 to 1200 grit SiC paper. Unlike the Platinum discs, the Silver and Gold discs must be regularly charged with diamond suspension ( $3\ \mu\text{m}$ - $15\ \mu\text{m}$ ). The CAMEO's patented structure retains the diamond abrasive, providing uniform grinding and sample flatness. The magnetic attachment system provides quick application and removal of the desired CAMEO disc.

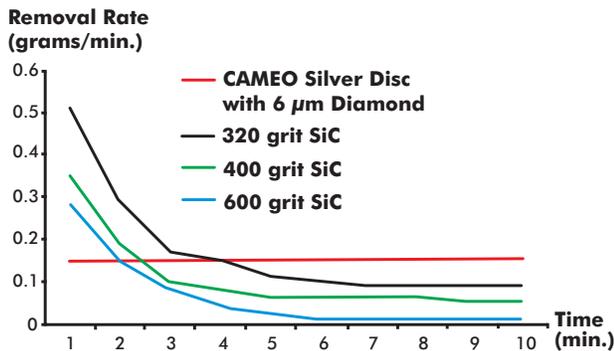


### Application

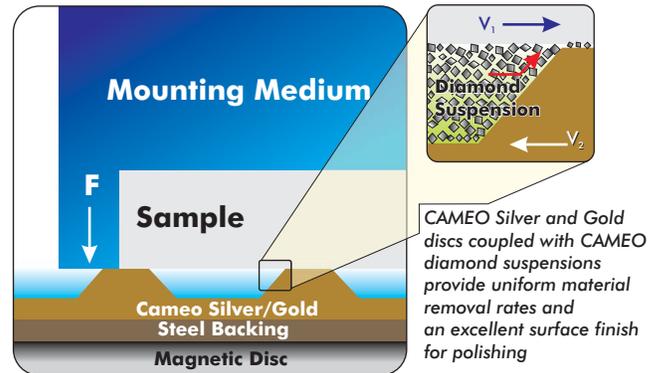
**Gold**—Nonferrous and softer materials (Charged with  $3\ \mu\text{m}$ - $6\ \mu\text{m}$  diamond)

**Silver**—Materials with a hardness of  $\text{HV} > 200$  (Charged with  $6\ \mu\text{m}$ - $15\ \mu\text{m}$  diamond)

### Stock Removal Comparison/Abrasive Papers

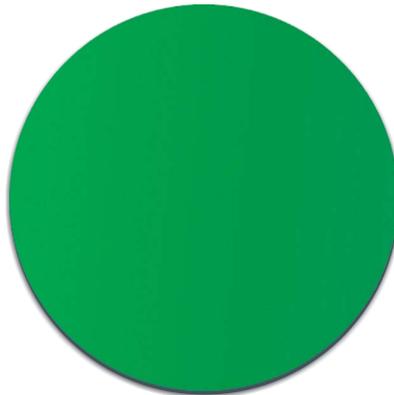


### Silver and Gold CAMEO Cross Section

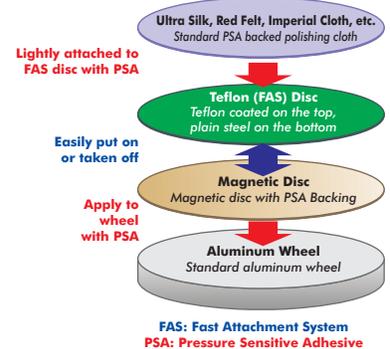


## CAMEO FAS Disc

The Fast Attachment System (FAS) disc allows PSA polishing cloths to be used in conjunction with the CAMEO magnetic attachment system. The FAS disc's Teflon<sup>®</sup> coating promotes effortless replacement.



### Polish Process



\*US Patent Number - 6 837 780

CAMEO is a registered trademark of LAM-PLAN Corporation.

Teflon<sup>®</sup> is a registered trademark of E. I. du Pont de Nemours and Company.

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