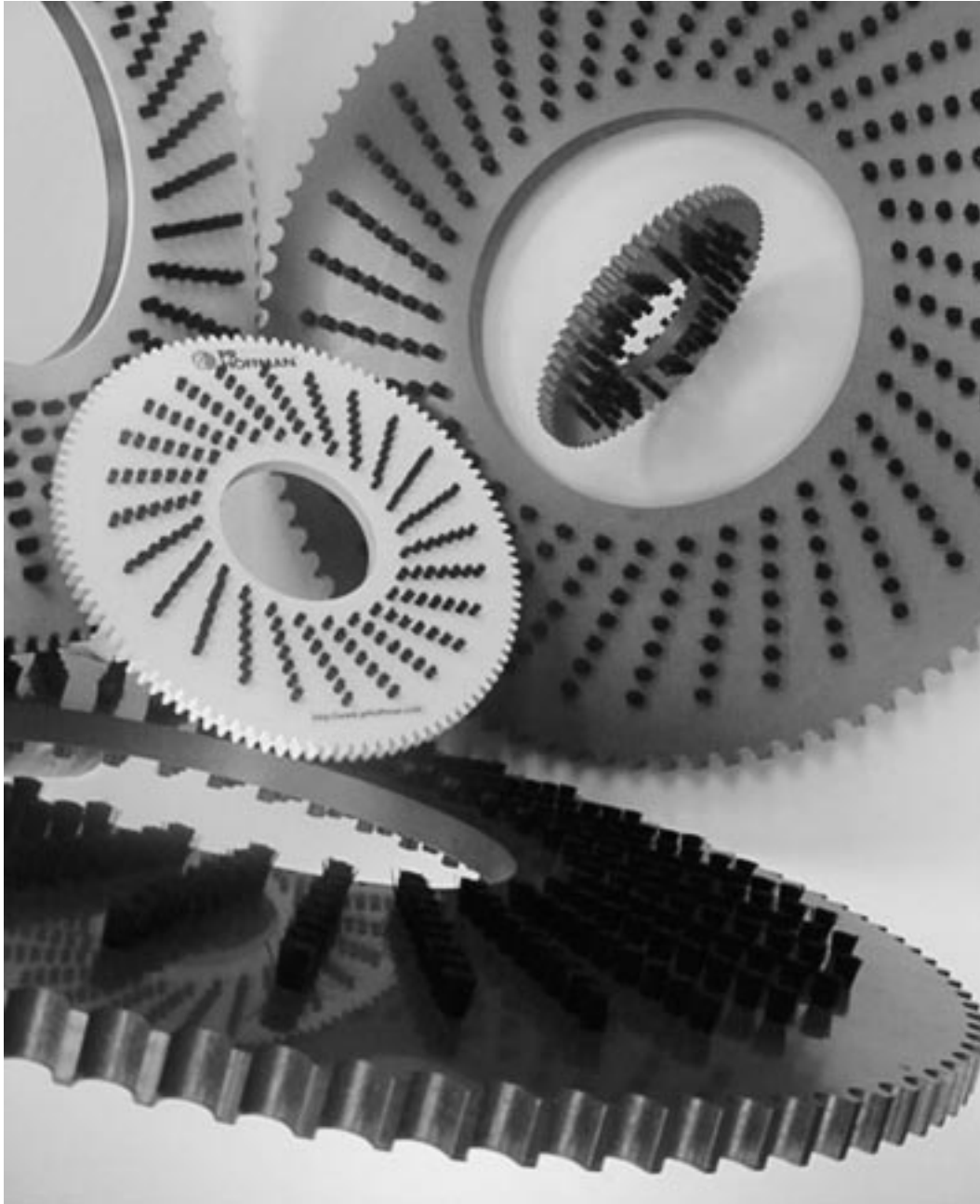


**PR  
HOFFMAN®**



**Polishing & Lapping  
Conditioning Brush Carriers**

**BRUSHES**

## CONDITIONING BRUSH CARRIERS

PR Hoffman designs and manufactures conditioning brushes to help improve the polishing process by removing embedded materials from the surface of polishing pads.

Each brush carrier is uniquely designed to your custom polishing application. This type of conditioning brush is commonly used by manufacturers of hard-disk substrates, silicon, GaAs, glass, optics, quartz, and other single and double-sided applications.

### DESIGN

Brush carriers (conditioning brushes) are manufactured by PR Hoffman Machine Products for a wide variety of double-sided lapping and polishing machines including: P.R. Hoffman, Peter Wolters, Speedfam, Spitfire, Norton, Carlan, Fujikoshi, Lapmaster, Melchiorre, and others. We can also design single-sided brushes for machines such as TSK, Gigamat, and Siltec.

PR Hoffman's sales engineers will review your machine and pad details and custom design a set of conditioning brush carriers for your application.

### USE

Brush carriers are typically used daily to keep the pores of the pad free from spent polish and fine particles generated in the polishing process. Significant process improvements, and improvements in pad life, can be achieved by using conditioning brushes on a frequent fixed schedule.

The process is simple. After loading the brushes, the machine is started with a strong flow of water instead of the polishing slurry. Time and pressure vary with the pad, material being polished, and the slurry composition.

Conditioning brush carriers are generally manufactured using a PVC carrier blank and nylon bristles, but special materials and designs can be manufactured to suit your particular needs. If you are looking for polishing processing improvements, we suggest you order a set for your machine. Please contact PR Hoffman Machine Products, to discuss your "Conditioning Brush Carrier" requirements.

Brush carriers can also be used on lapping machines to aid in the cleaning of lap plate surfaces. They will not eliminate the need of cleaning out serrations, but are helpful for better process control. Other uses include the preheating of plates.

Specifications subject to change without notice.

# BRUSHES