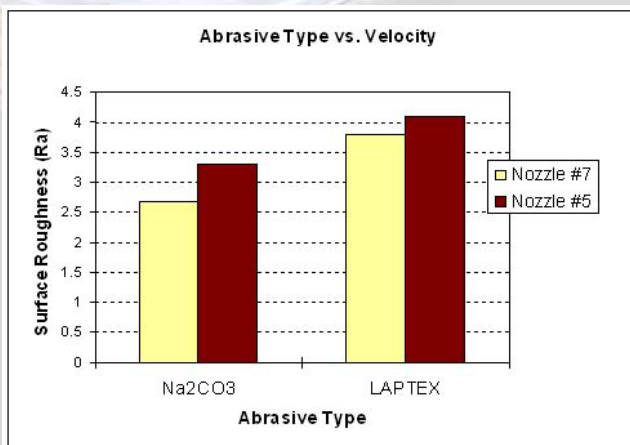


Lapping Plate Preparation

LP-1000 Lapping Plate Mounting Adhesive - The LP-1000 is a thermoplastic acrylic foam mounting adhesive is a fast and easy mounting and demounting adhesive for adhering lapping plates to the lapping machine base plate. The lapping plate is easily mounted by pre-wetting the adhesive with IPA which allows the lapping plate to be positioned on the base plate prior to curing. Curing time is approximately 15 minutes for a rigid bond, with full curing occurring in 2-4 hours. To remove the expended lapping plate, heat the lapping plate and base to approximately 150 degrees Celcius in order to soften the adhesive and peel off the used lapping platelapping plate.

Alumina Lapping Films - The process of truing the lapping plate is required because present machining technology does not produce a lapping plate flat enough for lapping the magnetic heads. The most common truing process uses an alumina lapping film.

Lapping Plate Texturizing Abrasives - are used to provide a rough or texturized surface to the lapping plate. This texture allows for the diamond to be more effectively charged into the lapping plate. The most common technique is to use a soft abrasive blasting process. Sodium bicarbonate (Na_2CO_3) has been used for a number of year because it is soft and mostly soluble in water. In addition to sodium bicarbonate, the LAPTEX blasting media is a harder and more water soluble abrasive. The LAPTEX blasting media also has a more uniform particle size distribution.



Charging Pads - For more consistent charging boron carbide charging tools provide longer life and more efficient diamond charging.

LP-1000 Lapping
Plate Mounting
Adhesive

Alumina Turing
Films

Lapping Plate
Texturizing
Abrasives

Charging Pads