## Which process is more suitable?

## Wet versus dry brushing process

## Wet working

High-tech brushes are used in wet working environments. Low temperatures increase rigidity of the filaments, thereby increasing performance. Lubrication tends to have the opposite effect.

Effectiveness of tools is attained through selection of appropriate filaments, grain size and bundle geometry. Feeding rates are high, surface finish is enhanced and large volumes can be processed.

Coolant flushes off debris and therefore needs to be filtered permanently. Parts exit the brushing system under humid conditions and are routed to cleaning and conservation processes.



## Dry working

When brushes are used under dry running conditions, generated heat dissipation is poor. Special materials are essential to prevent filament softening or melting.

Grinding media on the other hand are more aggressive, resulting in higher surface roughness and removal rates. Feed rates are low and hence suitable for low volume production.

Dry working environments require dust extraction. Special filtration systems (explosion-proof) are often needed.

Parts exit a brushing system dry, but grinding dust still adheres to the surface. A cleaning process needs to follow.











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