

Roll Cleaning Solutions

Roll Cleaning Systems for Process Manufacturing



Kadant has been a global market leader in roll cleaning systems and technologies for more than 80 years. During that time, our roll cleaning assemblies and diverse family of carbon fiber, composite, and metal doctor blades have earned a reputation for high precision, efficiency, and reliability. Our applications experts are trained to identify roll cleaning problems and provide cost-effective solutions that provide the user the opportunity to increase efficiency.

Roll Cleaner Assemblies

VeriLite™ and VeriKleen™ Roll Cleaner Assemblies

The VeriLite and VeriKleen roll cleaner assemblies provide a cost-effective technology for various industrial applications. The VeriLite roll cleaner assembly is pneumatically operated similar to a conventional style flexible blade holder. The VeriKleen roll cleaner assembly is lever operated similar to other rigid blade holders. Both assemblies are HACCP International certified food safe in the U.K and U.S.

Overview



Features

- HACCP food safe certified in the U.S. and U.K.
- Lightweight metal alloy construction
- Compact design fits into tight locations
- Configurable for wet, dry, harsh, and high temperature environments
- Large selection of blade materials for any application

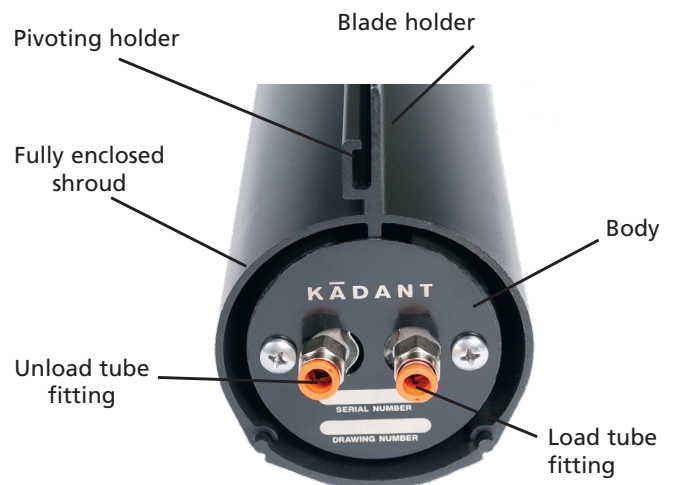


Benefits

- Effective cleaning at minimal loading pressure
- Precise blade load adjustment
- Quick blade change design only takes seconds to change a blade



VeriKleen roll cleaner assembly



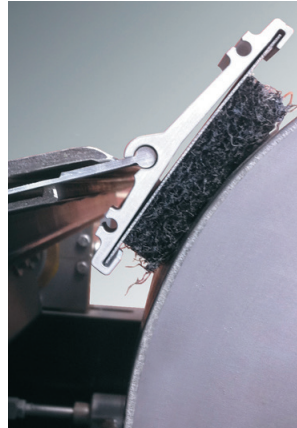
VeriLite X roll cleaner assembly shown is enclosed and used for harsh environments.



Roll Polishers and Oscillation

EzKleen™ Roll Polishers

The EzKleen and EzKleen V roll polishers remove build-up on roll surfaces without costly surface regrinds or special release coatings. Using the EzKleen or EzKleen V roll polisher during regularly scheduled downtime has been shown to improve the condition of the roll surface. The EzKleen roll polisher conveniently fits into the VeriKleen roll cleaner assembly and most conventional blade holders. The EzKleen V roll polisher is made specifically for the VeriLite roll cleaner assembly. Both incorporate application-specific cleaning pads for cleaning and polishing the surface of any roll on a production line.



EzKleen roll polisher



EzKleen V roll polisher

Overview



Features

- Easy installation and removal
- Replaceable cleaning pads
- Accommodates any roll diameter



Benefits

- Reduce the need for off-machine roll conditioning
- Maintains roll surface finish (Ra)
- Safe operation requiring limited or no manpower

VeriFlex™ Oscillation System

The VeriFlex oscillation system provides the VeriLite roll cleaner assembly with a complete oscillator system that features a compact footprint for tight applications. The Varimatic™ 500 oscillator only requires a compressed air supply and does not need external controls. The speed and stroke have been preset and optimized for the ideal roll cleaning system allowing for smooth, continuous, maintenance free operation.



Varimatic™ 500 oscillator

Overview



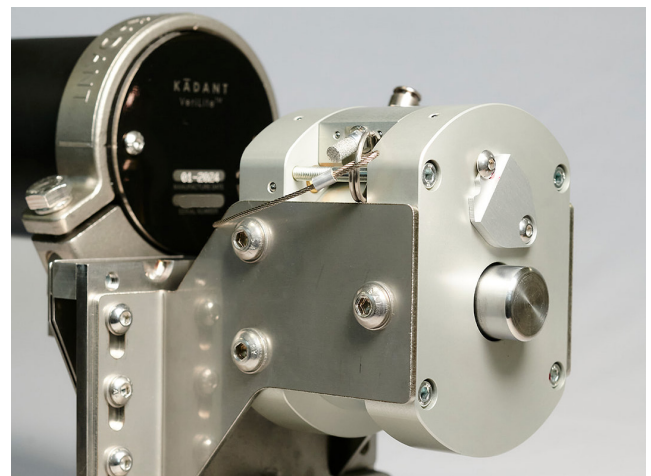
Features

- Requires only a single air line for operation
- 560 pounds of thrust at 90 psi
- Manufactured from stainless steel and aluminum
- Equipped with PTFE/Viton seals
- Simplistic system for easy use
- Minimal maintenance



Benefits

- Air cushioning minimizes chatter and dwell of roll cleaning structure
- Direct mount to standard bearings
- No external controls needed



VeriFlex oscillation system

Roll Cleaning Blades and Pads

Roll cleaning blades and pads are used to remove contaminants and other matter from roll surfaces. Over time, the build-up on the roll surface requires additional cleaning to provide more uniform roll surface conditions.

Roll Cleaning Blade	Description	Advantages	Industry Used
CarboTek™ 500	Synthetic blade made from a mix of glass and carbon blade with a high end epoxy resin	Heavy duty high performance for tough cleaning. High temperature resistance. Best value for the money for many industrial applications.	Carbon Nonwovens Metals
ProClean™	Bimetal long life steel blade	Longer life than conventional steel. Fewer blade changes. Less down time	Food Nonwovens
ProFlake™	Bimetal long life steel blade for flaking applications	Longer life than conventional steel. Fewer blade changes. Less down time.	Food Starch
Ultra™ C	Synthetic blade made from 100% carbon with a thermoplastic resin	Clean, crisp blade edge for excellent doctoring. Long life. Superior conformability to roll surface for uniform load distribution and reduced roll damage.	Carbon Nonwovens Metals
UltraKleen™	Synthetic blade made from 100% glass blade with a high end epoxy resin	High cleaning performance. High temperature resistance.	Carbon Nonwovens Metals
VeriTek™	Engineered polymeric	Recommended for applications where a thinner, stiff polymeric blade is needed.	Metals Food Nonwovens