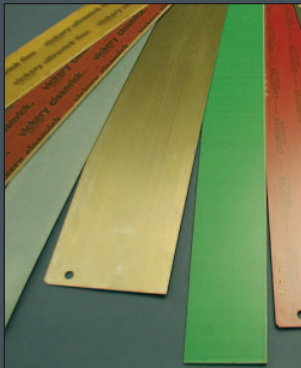


# Doctor Blades

Blades, scrapers, and knives

**KADANT**  
AN ACCENT ON INNOVATION

High-performance blades  
for cleaning, dewatering,  
and scraping.



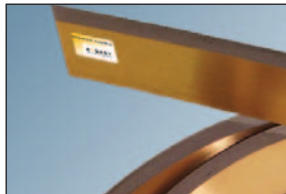
Providing technology and market leadership in  
materials development and application knowledge.

# Blade materials

Kadant doctor blades and scrapers are used to clean rolls and remove stock accumulations, water, pitch, and filler build-up. With more than 60 different material specifications available, Kadant blades have earned a reputation for precision, efficiency, and reliability. Driven by increasing demands for greater efficiency and lower operating costs, Kadant is a world leader in doctor blade technology, development, and application experience.



*AbrasiTek Blade*



*DriTek Bronze Blade*



*CarboTek 100 Blade*

Product Name	Material	Features and Benefits
Abrasifine™ Blade	Glass epoxy with fine abrasives	Recommended for conditioning of dryer surfaces
AbrasiTek™ Blade	Glass epoxy with abrasives	Recommended for conditioning of dryer surfaces
Abrasitek Y™ Blade	Glass epoxy with abrasives	Cleans and polishes Yankee surfaces
Armortek™ Blade	Metal with proprietary coating	Coating provides enhanced performance with low friction
Biovick Super™ Blade	Glass epoxy	Extra life blade for tough high temperature cleaning applications
Bronzeflex™ Blade	High carbon bronze alloy	Corrosion resistant and good on steel or cast iron rolls
CarboTek 100™ Blade	Carbon epoxy	Long-life carbon fiber blade for sheet shedding positions
CleanTek S™ Blade	Glass epoxy	Extra life blade for tough cleaning applications
DriTek Bronze™ Blade	Coated bronze	Minimizes stickies and coating buildup on the toughest dryer applications
DriTek C™ Blade	High-temperature carbon fiber	Excellent at stickies removal and will not spark
FiberFlex™ Blade	Glass epoxy	Roll cleaning applications
Grafgrit™ Blade	Carbon-glass epoxy with abrasives	Abrasive blade with carbon for increased life
Graflex™ Blade	Glass and carbon epoxy	Added strength in the MD, extreme conformability
PolyCarb™ Blade	UHMW and carbon	Designed for non-polyurethane wet end rolls
Polyflex™ Blade	UHMW polyethylene	Designed for all wet end roll applications and is gentle on roll covers
PressTek Plus™ Blade	Coated stainless steel	Designed for difficult shedding positions. Provides long blade life and surface conditioning properties.
ProClean™ Blade	Bi-metal alloy	Tough, non-brittle wear resistant alloy with low friction
ProCrepe™ Blade	Wear resistant tipped alloy	Tough, non-brittle wear resistant alloy with low friction
ProFlake™ Blade	Bi-metal alloy	Tough, non-brittle wear resistant alloy with low friction
SofTek™ Blade	Carbon resin	All wet end positions with reduced frictional drag
Stainlessflex™ Blade	400 series stainless steel	Corrosive applications
Steelflex™ Blade	High carbon steel	For most rolls in non-corrosive environments
Syntek C™ Blade	100% carbon with enhanced resin	Long life carbon blade with enhanced cleaning
SynTek Plus™ Blade	Glass and carbon fiber	Best suited for where nominal cleaning with enhanced life is required
Ultra C™ Blade	100% carbon	Long life carbon blade with excellent cross machine flexibility
UltraKleen™ Blade	Glass epoxy	Excellent cleaning in high temperature applications

# Application expertise

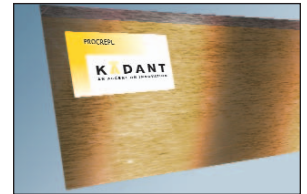
With thousands of installations around the globe, Kadant doctoring technology offers high performance cleaning and water removal in a variety of doctoring and scraping applications. In addition, our global network of field service engineers, provide technical support to improve doctoring performance and maximize blade life through proper setup, blade selection, and troubleshooting.



Cleantek S Blade



PressTek Blade

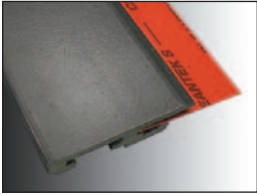


ProCrepe Blade

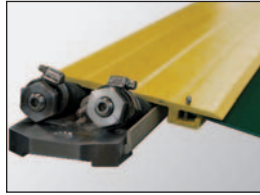
	Applications	Standard Thicknesses	
		inch	mm
	Dryers, MG cylinders, calenders, Yankee cylinders	0.070"	1.8 mm
	Dryers, MG cylinders, calenders, Yankee cylinders	0.070"	1.8 mm
	Yankee cylinders	0.070", 0.250"	1.8 mm, 6.4 mm
	Press rolls, dryers	0.035", 0.050"	0.9 mm, 1.3 mm
	Dryers, calender rolls	0.075", 0.110"	1.9 mm, 2.8 mm
	Dryers, steel calender rolls, reel drums, MG cylinders	0.035", 0.055"	0.9 mm, 1.4 mm
	All press rolls, dryers	0.055", 0.080"	1.4 mm, 2.0 mm
	Press rolls, dryers, calender rolls	0.062", 0.075"	1.6 mm, 1.9 mm
	Dryers	0.035", 0.050"	0.9 mm, 1.3 mm
	Dryers	0.080"	2.0 mm
	Wet end rolls, dryers, calender rolls	0.055", 0.080", 0.110"	1.4 mm, 2.0 mm, 2.8 mm
	Ceramic , granite and composite press rolls, dryers	0.070"	1.8 mm
	Breast rolls, wire return rolls, press rolls 0-10 P&J, steel calenders, reel drums	0.055", 0.070"	1.4 mm, 1.8 mm
	Non-polyurethane and other soft roll covers	0.100"	2.5 mm
	Breast rolls, wire return rolls, suction press and couch rolls, felt rolls, and all polyurethane rolls	0.250"	6.4 mm
	Granite and ceramic rolls	0.050"	1.4 mm
	Dryers, MG cylinders	0.035", 0.050"	0.9 mm, 1.3 mm
	Yankee creping and cleaning	0.035", 0.050"	0.9 mm, 1.3 mm
	Drum flaking	0.035", 0.050"	0.9 mm, 1.3 mm
	Breast roll, wire return rolls, couch rolls	0.050"	1.4 mm
	0-10 P&J press rolls, dryers, steel calender rolls, Yankee creping	0.035", 0.050"	0.9 mm, 1.3 mm
	Dryers, calenders, MG cylinders, Yankee creping	0.035", 0.050"	0.9 mm, 1.3 mm
	Ceramic press rolls, dryers, calender rolls	0.055", 0.075"	1.4 mm, 1.9 mm
	Press rolls, dryers, calender rolls, hard covered wet end rolls, press felt rolls	0.055", 0.075"	1.4 mm, 1.9 mm
	Ceramic granite and composite press rolls, dryers, calender rolls	0.055", 0.080"	1.4 mm, 2.0 mm
	Dryers, MG cylinders, calenders	0.055", 0.100"	1.4 mm, 2.5 mm

# Doctor Blades and Scrapers

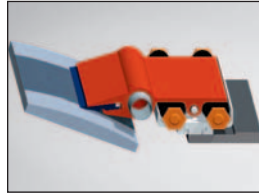
Doctor blades and scrapers are used in a variety of industries and applications including paper, converting, corrugating, printing, steel, and food processing, among others. Kadant offers more than 60 blade materials including UHMW poly, fiberglass, carbon, and metal. Blade thickness, bevel, and other features are custom-engineered for the specific application requirements.



UniSlide™ Holder



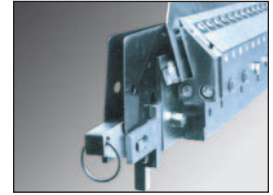
UniSet™ Holder



AirSet T™ Holder



StaClean H™ Holder



Conformatic XL™ Holder

## Application Guidelines

Roll Position	Recommended Blade*	Recommended Holder
Breast/wire return roll	Graflex, PolyCarb, Polyflex, SofTek, SynTek Plus	UniSet™, UniSlide™ Holder
Calender rolls – steel wet and dry stacks	Biovick Super, Cleantek S, Syntek Plus, UltraKleen	UniSet™, UniSlide™, UniFlow™ Holder
Ceramic press rolls	CarboTek 100, PressTek Plus, Ultra C, SynTek C	StaClean DST™, UniSet™, UniFlex™ Holder
Couch rolls	Polyflex, SofTek	AirSet B™, UniSet™ Holder
Drum flaker	ProFlake, Steelflex	AccuFlake™ Holder
Dryers	AbrasiTek, DriTek Bronze, Grafgrit, SynTek Plus	UniSet™, UniSlide™ Holder
Dryers, last top	CarboTek 100, SynTek Plus	UniFlow™ Holders
Dryers, wet-end	Dritek Bronze	UniFlex™ Holders
Felt rolls	SofTek, SynTek Plus	UniSet™, UniSlide™ Holders
Granite press rolls	Armortek, CarboTek 100, PressTek Plus, Stainlessflex	StaClean DST™, UniSet™, UniFlex™ Holder
MG cylinder	Abrasitek, Bronzeflex, Steelflex	Conformatic L™ Holder
Press rolls 0 – 10 P&J	CarboTek 100, SynTek C, SynTek Plus, Ultra C	StaClean DST™, UniSet™, UniFlex™ Holder
Press rolls greater than 10 P&J	Graflex, Polyflex, SofTek	UniSet™, StaClean H™ Holder
Reel drum	Cleantek S, SynTek Plus	UniFlow™ Holder
Suction press rolls	Polyflex, SofTek	AirSet B™, AirSet T™, UniSet™ Holder
Yankee creping and cleaning	Abrasitek Y, Procrepe, Stainlessflex, Steelflex	Conformatic XL™ Holder
Yankee cut-off	Steelflex, Stainlessflex	Conformatic L™, Conformatic XL™ Holder

**KADANT**  
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Kadant is a leading global supplier of products and services that improve productivity and quality in paper production and other process industries. For the nearest location and contact, visit our Website.

[www.kadant.com](http://www.kadant.com)

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