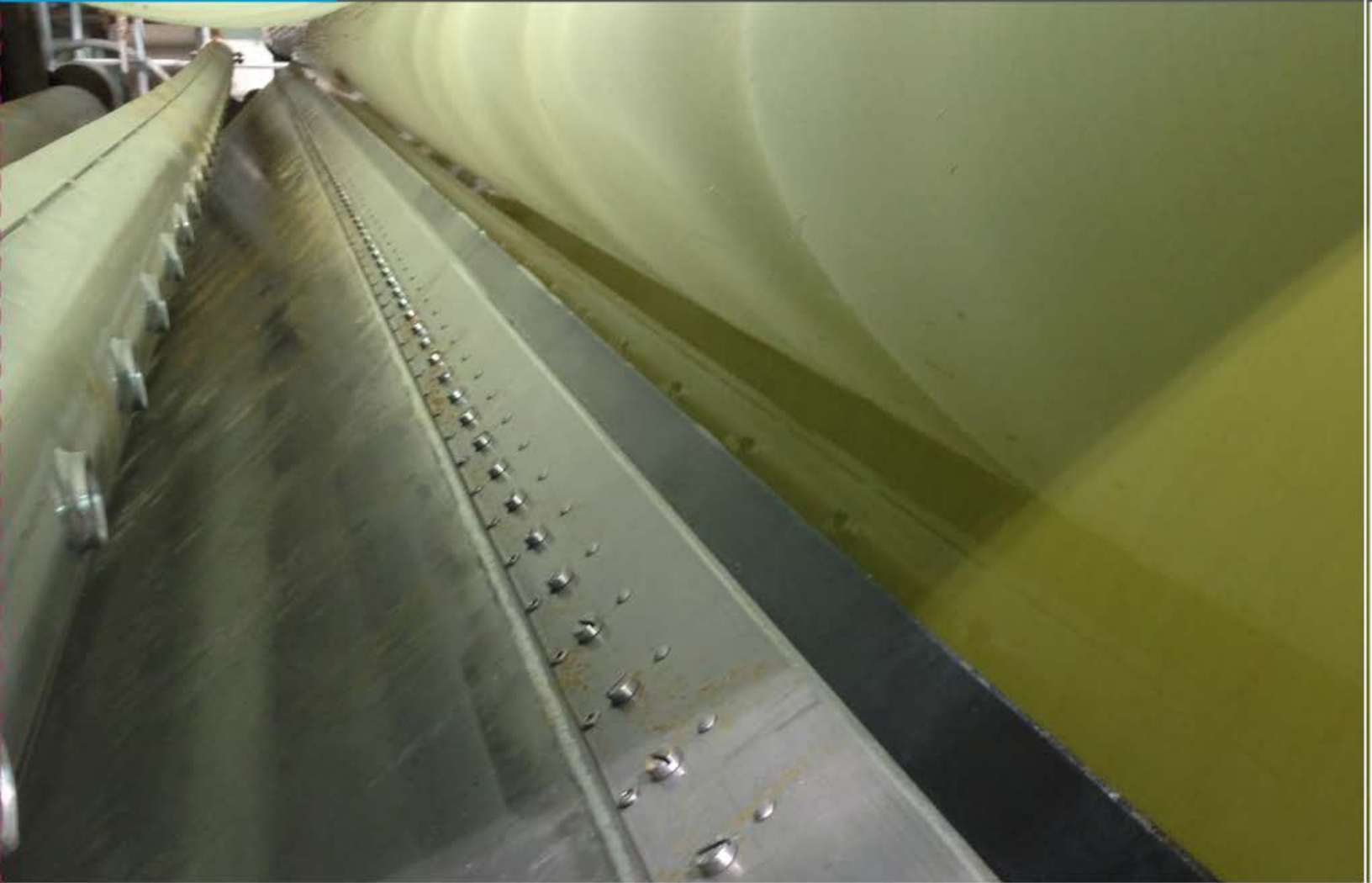


Doctor Blades



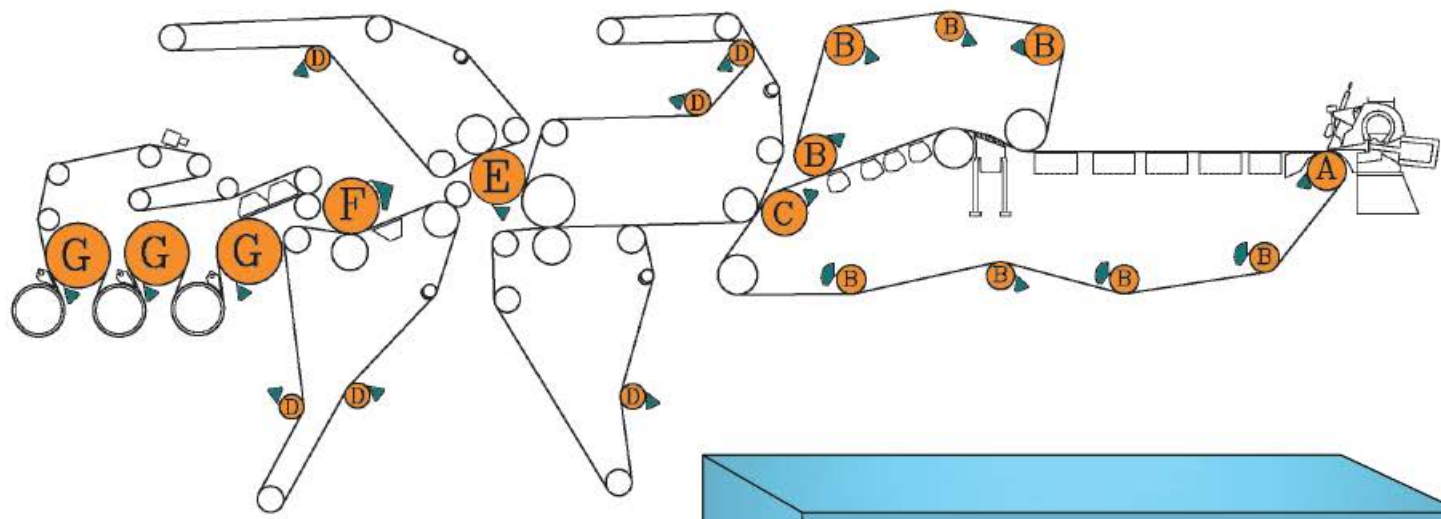
*Reliable Innovation for
Consumables & Optimization*



Total Blade Inventory Management Program for Greater Safety and Convenience

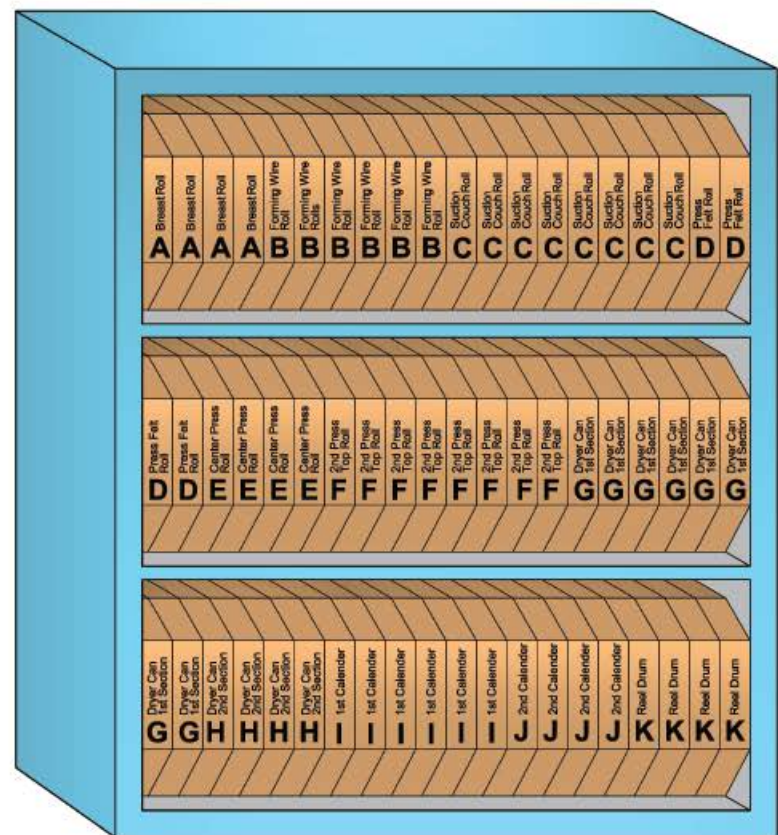
How many different kinds of blades are used on your machine? How many do you really need? What's the most convenient way to store and handle them?

With Coldwater's unique BLADEX® and BOXBIN® blade management concepts we can optimize, reduce and more cost-effectively manage your doctor blade inventories. Let us simplify and organize your inventory and train your team so everyone knows where the blades are, where they go, and how to make safe blade changes.



Simplify Inventory Management.

We simplify the labeling by position, provide a machine drawing showing where each blade goes, and mark each BLADEX stored in our BOXBIN custom cabinets.



BOXBIN Storage System Protects Your Investment.

Our unique BOXBIN steel storage cabinets are moveable and water tight. Your doctor blades stay organized and in excellent condition, and are easily transportable. The glass doors and simplified labeling system let you see at a glance what is available or what needs to be reordered. Every BOXBIN is custom designed for your mill's needs and these cabinets are provided at no charge as part of our consignment and managed inventory program.

BLADEBOX for Safer Handling.

Coldwater uses heavy-duty boxes, called a BLADEBOX, to help keep your mill personnel safe while protecting your doctor blade investment. Our BLADEBOX protects you from the doctor blades while they are coiled or under tension for much safer handling.



Think Safety! One Blade Per Box is Available.

Several blades can be stored in each box and dispensed as needed. However, *we strongly recommend and offer at no extra charge, one blade per box.* Packing a single blade per box improves safety by reducing the weight and bulk of each box making them easier to handle and transport to remote or awkward positions high on the machine. *It's a simple step that can reduce the risk of injuries.*

A Complete Line of High Performance Doctor Blades and Accessories

Coldwater offers an extensive line of high performance doctor blades from metals and phenolics to epoxy glass and carbon fibers. We provide doctor blades, creping blades, coater and sealing blades, and tubing as well as replacement doctoring equipment.

In addition to our complete doctor blade offering, Coldwater can also provide the expertise and labor for blade and tubing changes as well as other outage inspection services. Just call your Coldwater representative to discuss your mill's specific needs.

Coldwater's doctor blades are available from our facilities in both the United States, Europe and China. Plus, every doctor blade is backed by excellent customer service, technical assistance, field support and an extensive inventory of ready-to-ship materials, including:

ProCarbon Blades

Coldwater's ProCarbon premium carbon fiber blades should be used whenever wear resistance is critical, but offer superior performance life in many applications, often making them the best value. Most applications require either our standard duty ProCarbon or our premium duty ProCarbon 100. We also offer ProCarbon LITE, ProCarbon BLUE, and ProCarbon PLUS.



ProFiber Blades

Coldwater's most popular blades for standard duty use. ProFiber blades are commonly used throughout the machine, including dryer sections and sheet shedding positions. All of these products have excellent mechanical properties and very low water absorption. Available in LT, HT, XT, ST, and XH grades.



ProGrit Abrasive Blades

Coldwater's ProGrit Blade is a glass fiber blade with abrasive fillers evenly distributed in the resin. Use ProGrit to remove rust and contamination from the surface of dryer cylinders and any metal rolls. ProGrit Carbon is a 2 layer carbon fiber blade with abrasive fillers for ceramic center press rolls and other challenging positions.



BladePro Doctor Blades Deliver Cutting Edge Technology

ProMica Blades

Coldwater's traditional cotton fiber doctor blade for use in wire sections and on press felt rolls. This blade material has better doctoring characteristics than ProPoly and is recommended for roll cover hardnesses of 8-12 P&J. ProMica is impregnated with lubricant for smoother running.



ProPoly Blades

ProPoly Ultra-High Molecular Weight Polyethylene (UHMW-PE) Blades are most commonly used on wire return rolls and polyurethane covered press rolls and other wet applications. ProPoly is recommended for roll cover hardnesses of 12 P&J and softer. A variety of ProPoly configurations are available including reinforced and self-lubricating ProPoly PLUS with molybdenum disulfide.



Metallic Blades

Coldwater offers a full range of metallic doctor blades in a variety of widths and thicknesses, beveled or square. Tungsten carbide and ceramic coating for the wearing edge are also available for coating or creping applications.



ProTube / ProTube Plus / ProTube Xtreme

ProTube is Coldwater's standard duty polyester/cotton jacketed EPDM tubing suitable for most wet end and press applications. Good for continuous use at temperatures up to 200f/90c.

ProTube Plus is the next step up and good for temperatures up to 300f/150c.

ProTube Xtreme is Coldwater's premium duty high temperature Kevlar jacketed tubing for the most demanding applications up to 400f/200c.

All Coldwater tubing products are chemical resistant and fabric reinforced for ease of installation and longer life.



Let Consumables Optimization Management Be Our Problem

Let us help you manage your paper machine consumables. Our COM program packages these many products and services into one spend with volume rebates and consignment programs matched to the need. COM can be structured for machine level, mill level or corporate level needs. Contact your local representative for more information.

Coldwater Offers a Complete Line of Reliable Innovations to Optimize Paper Machine Performance.

**Suction Roll
Components**



**Wilbanks
Ceramics**



**Headbox
Services**



**Drainage
Elements**



**BladePro
Doctor Blades**



**Edge
Control**



**Vacuum
Valves**



*Reliable Innovation for
Consumables & Optimization*

Atlanta & Appleton USA / Karlstad Sweden / Kunshan China

***To learn more or to locate the Doctor Blades Specialist
most convenient to your mill, please visit coldwatergroup.com.***