



# EVERETT INDUSTRIES

## SEVER IT / WITH EVERETT

August 25, 2020

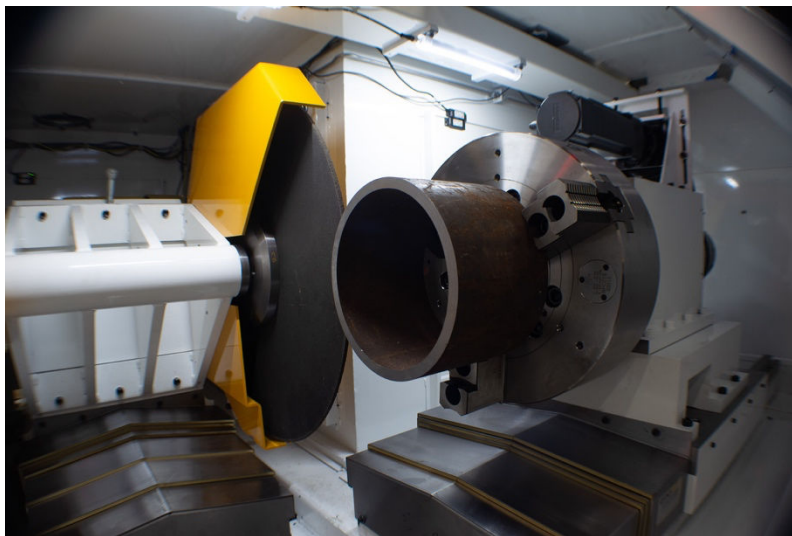
Q201104-R6

John Doe  
Manufacturing CORP INC LLC  
1234 Street Dr.  
Town, State 123456

Dear John:

Based upon your recent inquiry, we are pleased to present the following preliminary quote for an Everett Industrial Solutions automatic, programmable, fully enclosed, 30" wheel, dry cut-off saw with rotary work head, axial work head adjustment, and a horizontal wheel infeed axis.

### Everett Industrial Solutions SS:30RW Saw System: 30" Rotary Work Head Fully Automatic



*Figure 1: 30" Saw Head and Rotary Axis*

The Everett 30" (765 mm) diameter wheel, 50HP (37.5kW) programmable abrasive cutoff saw is designed for production cutting of round rings from 2" (50mm) to 24" (610mm). The parts are mounted in a 16" (400mm) chuck and hydraulically clamped on the OD or ID using machined jaws made by the customer for each part (or family of parts). The work head is positioned axially so the wheel cuts through the runner/sprues at the parting line. Upon cycle start, the work head spindle rotates the part into the wheel (work up, wheel down) and the wheel feeds horizontally into the work per the programmed cutting recipe. The severed tree falls into a under the work head area. Everett will provide a basic scrap hopper to get started. As discussed, we will also quote an optional scrap conveyor and bin with sensors for bin full and bin present. Those items can be added later without delaying the start of the build. Detailed specifications as well as standard and optional features of the basic machine are set forth below.

Advantages of the Everett Industrial Solutions programmable saws are:

- **Sophisticated Cutting Routines**—We help you develop cutting routines that use all the available power of the machine...constant power ...constant force...part-profile responsive cutting...whether you want fast, straight cuts, fine surface finish, or long wheel life, we put the tools in the control for you to optimize your production objectives.



Figure 2: Typical Part Program Cutting "Recipe"

- **Simple Changeover and Process Controls**—All cutting processes are controlled by simple menu entries. Already cut a similar part? Save that "recipe" as a new one, make required changes, and you are cutting again. Minutes to change over from part to part.
- **Wheel Diameter Tracking**—No more cutting air or cutting the vise...the control tracks the wheel diameter and automatically adjusts cut start and end positions for wheel wear. Wheel RPM automatically adjusts for constant peripheral wheel speed through the life of the wheel.
- **A Learning Machine.** For each cut, the start and end of cut position is recorded and analyzed by the control's algorithm to refine the wear rate. This wear rate is saved with the recipe so gap elimination and wheel utilization improve over time.
- **Saw Protection**—The saw is programmed to protect itself. The wheel flange, belt guard, vise, and other machine component locations are "known" by the control to minimize the risk of a crash. Main motor power is constantly monitored in-cycle so if there is unexpected contact, the control automatically returns to the "home" position and alerts the operator.
- **A Safer Saw?**—All cutting action, automatic, and manual motion is designed to only occur behind interlocked machine guarding or with both of the operator's hands tied down. The machine was designed to comply with the best machine-tool safety practices including the EN Machinery Directive. We conduct a specific Risk Assessment with you to ensure that residual risks are minimized to protect multi-tasking operators and so your training and PPE programs can be focused and effective.

- **Password Protected Part Programs**—Optimized, part-specific cutting parameters are saved in the control memory...get the same cutting performance you planned for across all shifts and all operators day after day.

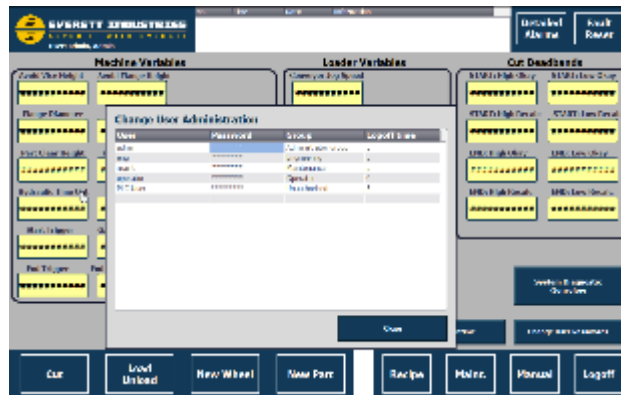


Figure 3 User Administration and Password Access Screen

- **High Reliability**—We use the same Severit-With-Everett cast abrasive cutting approach and components that have been field tested for over 62 years. The control system uses international machine tool components designed for years of multi-shift operations.
- **Full Support**—Machine Phone Home. We provide detailed documentation of the system so if something should go wrong, your maintenance people can get your Everett saw running again in no time. Remote connection support is available via cell or internet depending on your IT policies.

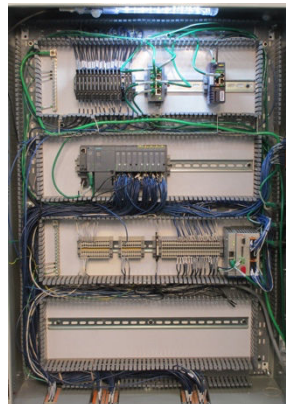


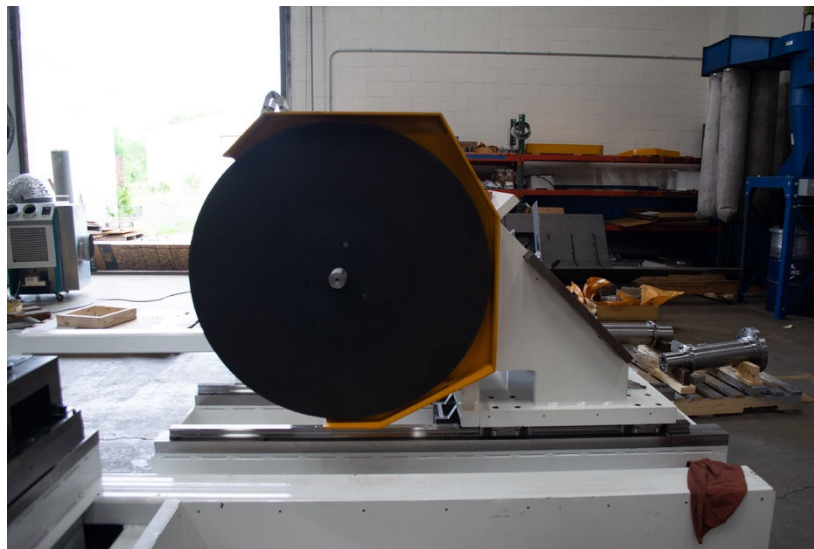
Figure 4: Typical Control (Low-voltage) Cabinet

The Everett **Industrial Solutions Cutoff System** is not your typical tool-room type saw. It is designed, tooled, and programmed for **production-cutting** and when combined with robotic or mechanical part handling and positioning accessories, can be the center of a highly automated production cell. Highly trained and skilled operators are not required and that fact was carefully considered when we designed the health and safety aspects of this highly automated cutting system.

## Machine Construction and Standard Components

**Machine Base.** The saw is built on a structural weldment with integral fork pockets and wireways. A strategically placed baffle impinges sparks from the cut and decelerates larger particles so they drop into the easily removable debris drawer for clean out. The saw head and work holding devices are aligned on ground top plates mounted to the base. The compact design minimizes required floor space.

**Saw Head Infeed (X-axis).** The saw head is designed for cutting with a nominal 30" (765mm) diameter abrasive wheel at up to 14,200 surface feet per minute (SFM) or 72m/sec. The saw's wheel spindle and motor are mounted on a heavy, machined weldment mounted to a cast iron



*Figure 5: 30" Saw Head with Position Cylinder*

table. The table is mounted on linear cars and rails mounted to the machine base. Ways are fully protected from debris by telescoping covers. The axis is positioned by a hydraulic cylinder equipped with closed loop position feedback as described below.

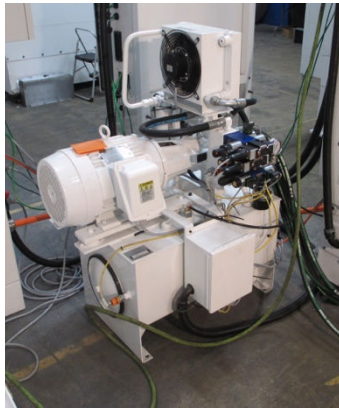
**Wheel Spindle.** The 2,640-rpm main wheel spindle drives the 8.7" (221mm) wheel flange. The abrasive cutoff wheel is mounted on a 1.75" (44.5mm) arbor shaft and clamped by the outer wheel flange. The wheel flanges are assembled on the shaft and faced and trued as an assembly for balance and straightness. The inner wheel flange is equipped with a 0.625" (16mm) diameter drive pin on a 3" (75mm) bolt circle diameter. Refer to ANSI B7.1, EN 12413 and FEPA for complete guidelines.

**Spindle Motor and Variable Frequency Drive.** A 50 HP (37.5 kW) induction motor equipped with a tachometer and thermal feedback is provided. Spindle motor speed is infinitely variable and rated to 2,640 RPM operating with the Sinamics VFD. Drive includes standard VFD features as well as ProfiSafe communications, Safe Torque Off ("STO"), Safe Stop One ("SS1") and other safety-related functionality. Motor control system also includes a stand-alone "zero-speed" safety

monitoring relay. Wheel cutting speed is constant (RPM increases as wheel diameter shrinks) to the speed rating of the spindle and wheel.

**Cutting Feed and Hydraulic Power Unit.** The saw and work head axes motion is achieved through the cut by the same industrial-duty hydraulic cylinders (equipped with extremely abrasive environment seals) that have made Everett powerhead saws known for reliability. The hydraulic system is controlled by an appropriately sized Rexroth power unit complete with pump, reservoir, pressure relief, air/oil cooler, proportional-directional valves, and associated control transducers, pressure switches, and safety valving. The power unit also controls the work axial positioning and the chuck clamping, if so equipped.

**Closed-Loop Position Feedback (X- and Z-Axes).** Programmed cutting cycles are controlled by the Siemens PLC through the Rexroth hydraulic system. The system responds to closed-loop



*Figure 6: Hydraulic Power Unit*

position feedback provided by a Balluff 0.000,04" (1 micron) resolution, magnetostrictive linear position sensor mounted in the cylinder. The sensor is totally enclosed in the cylinder, is non-contact, and is designed specifically for industrial hydraulic environments and duty cycles. Were it to fail, it could be changed out in less than 15 minutes. This system enables the control to perform closed loop position and velocity cutting cycles, constant peripheral wheel speed (limited by maximum spindle speed), and to notify the operator when wheel changes are required.

**Work Rotation Axis (C-Axis).** The work table is equipped with a rotary work head spindle, 40:1 gear box, and servo motor for workpiece rotation. The spindle is mounted in a cast iron housing in permanently lubricated (greased) bearings for long life and smooth motion. The work spindle is driven by a hollow-shaft commercial gear box for continuously-variable work speeds from 0-60 rpm. The system is sized to deliver sufficient torque on a 24" diameter workpiece to overcome the tangential forces of the wheel while aggressively cutting using the full power of the wheel spindle.

**Work Holding.** The work head is equipped with a 16"-18" chuck for automatic hydraulic ID or OD gripping of the work piece. (Final chuck configuration to be determined based on a review of the

range of parts) The sliding jaw chuck includes an actuator and rotary union. Interchangeable soft jaws to be machined by the customer per part or part family.

**PLC Control System.** The saw system's motors, hydraulics, operations, and programming are controlled by a Siemens SIMATIC failsafe PLC and associated failsafe and conventional I/O cards. Programming is carried out on a 12" Simatic Comfort Panel, full-color, touchscreen HMI. The main



*Figure 7: Typical PLC Control*

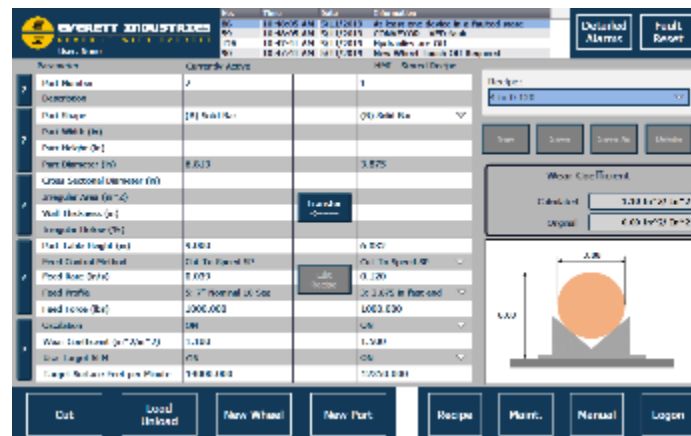
spindle ABB/Baldor motor is controlled by a Sinamics G120 VFD with dynamic braking. Hydraulic closed-loop motion is coordinated by a Rexroth HACD drive through the Rexroth proportional-directional valve as commanded by the PLC.

**Part-Process Programming and Control Software.** The saw system is controlled by our intuitive Sever-It, menu-based abrasive cutting software. The Sever-It software is comprehensive and controls not only the cutting recipe but also all machine movement, machine monitoring, maintenance, and manual operations of the machine system. The software is equipped with multiple user groups that allow selective access to administrative, maintenance, process engineering, and operator users so the machine operates consistently shift-to-shift and day-to-day. The menu, safety, and cutting routines are proprietary to Everett, no source code is provided.

The Sever-It software automates the machine and operator functions of a typical manual, dirty, noisy, and high residual-risk saw run by a skilled and experienced operator...without the difficulty of hiring, training, and retaining an operator. Standard features include:

- Automatic wheel diameter tracking.
- End-of-wheel notification so the operator knows when to be ready to change the wheel.
- Gap elimination (adjust saw start/end position) through wheel life-no more cutting air.
- Constant or variable in-feed and work rotation speeds to reflect the amount of material being removed.
- Constant metal removal rate cutting based on part cross-sectional areas.

- Adjust the RPM of the wheel as it wears for consistent cutting response—constant SFM.
- Automatic start and end-of-cut detection, gap elimination, and crash protection.
- Automatic work clamping before cycle start...no surprises from loose work pieces.
- Safety check...doors closed and locked or two hands on controls before any automatic motion.
- Interlocked work area and monitored access doors.
- Savable, repeatable, password-protected cutting recipes for various materials, shapes, and cross-sections.



**Health, Safety, and System Protection:** This is a production saw designed for injury free operations in a modern manufacturing environment...not a catalogue, tool room saw. The system is designed to adhere to the best safety practices and to be EN Machinery Directive compliant. The safety systems were designed based on a detailed and comprehensive formal risk assessment. The chuck and cutting area are fully protected in the interlocked machine enclosure for safety and to contain smoke and debris. Easy access, interlocked doors allow for easy wheel change and clean up yet protect your operator from the common dangers of an open, tool room chop saw. Safety interlocks prevent automatic operation of the saw if the guarding is not secured or if the wheel is turning. Cycle start requires two-handed control, including actuation of the clamps, for operator safety.

## Machine Utilities, Auxiliaries, and Documentation

**Documentation.** English language Operator Manual and Control Configuration and Schematics Manual is provided in PDF format. Full assembly and electrical drawings as well as I/O, pneumatic, and hydraulic system documentation is provided. Commercial component documentation is provided electronically on USB drive.

**Pneumatic System.** Complete control system to ISO standards for connection to customer shop air at 5 bar (75 psi) minimum. Air used to actuate part doors and for material handling and automation options, as required.

**Electrical System.** Complete three-phase, 50- or 60-cycle electrical system in watertight enclosure with sequester box is designed to accommodate customer's incoming supply at 480 volts. System includes low voltage control circuits. Step up/down and/or isolation transformer available based on installation site requirements. All work in full compliance with IEC requirements. Customer to provide a dedicated earth ground for noise suppression. Full electrical documentation as well as error code reporting makes electrical troubleshooting easy for your



maintenance personnel.

**Guarding.** Work area enclosure guarding installed to provide for operator safety and dust and smoke containment. Front door is to be on sliding rails and will open into the machine enclosure automatically on end of cycle (programmable) via pneumatic cylinders. The door is designed to shield its wheels/tracks from dust and cutting debris and keep the cylinders mounted outside the enclosure. Optional Donaldson/Torit dust and smoke filtration systems are available as set forth below. Large, removable, monitored access panels provide easy access for maintenance when required.

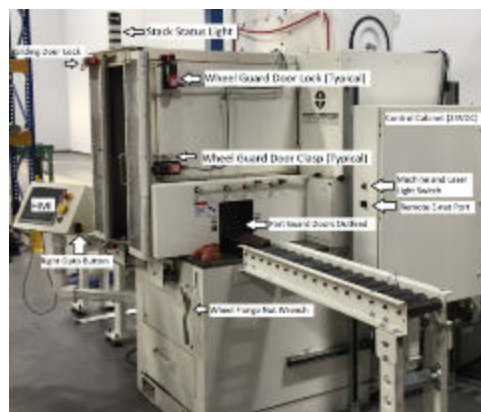


Figure 8: Typical Machine Guarding and Safety Components



## Machine Runoff, Installation and Training

**Demonstration and Pre-Dispatch Machine Qualification (“MQ1”):** Everett will demonstrate the machine and the cutting processes we developed for preliminary acceptance by authorized customer personnel prior to shipment. Customer is to supply adequate quantity of part blanks meeting same Cpk specifications to which the finish parts will be held, wheels, and gauging for debug and runoff. Wheels, tooling, and fixtures that are included with the purchase order will be used for debug and runoff.

**Installation, Training, & Final Machine Qualification.** Everett service technicians will start-up, commission, and qualify the machine system at customer’s plant (“MQ2”) after delivery and placement by customer as set forth in the pricing schedule. Customer responsible for preparation of the site/floor, the running of utility services (air/electric), placement, and rough level. Customer to provide reasonable skilled trades assistance and personnel to assist Everett’s technicians. Everett personnel will finalize assembly, wire interconnections, and start up the system for final demonstration, qualification, and approval by you. Specific MQ1 and MQ2 criteria are to be agreed upon at time of order.

Operator, maintenance, and manufacturing engineer training is available at Everett without charge during MQ1. We ***strongly recommend*** that an operator and a manufacturing engineer come to Everett for at least one week of training. Additional operator and maintenance personnel training is available at customer’s plant as set forth in the pricing schedule.

### SS:30RW Specifications

Description	Value
Maximum Workpiece Diameter	24" (610 mm)
Minimum Workpiece Diameter	2" (50 mm)
Maximum Workpiece Cut Distance from Chuck Face	15" (380mm)
Typical Inconel Cutting Speed (<3" part wall)	2 sec/square in
Typical Inconel Cutting Speed (>5" part wall)	5 sec/square in
Wheel Spindle Power	50 hp (37.5kW)
Wheel Peripheral Speed (vc is constant to 2640 RPM)	14,200 sfm (72 m/s)
Standard Cutoff Wheel Range:	
Outside Diameter	30" (765 mm)
Width	0.230" (5.8 mm)
Bore	1" (25.4 mm)
Wheel Flange Drive Pin (Diameter, Bolt Circle)	0.625", 3" (15.9, 75mm)
Rapid Return Speed	> 10"/sec (254mm/sec)
Total Elect. Requirements (standard saw)	50 kVA
Voltage (transformers available for other voltages)	480 V
Typical Shipping Weight	12,500 lbs
Machine Dimensions	97"W x 120"D (2.5m x 3m)
Workholding Height	39" (1 m) above floor
Guards	Painted Steel

## Machine Pricing

Model SS:30RW 3-axis, Programmable Dry Cutoff Saw (50HP).....	\$475,100
Machine Qualification (“MQ”) at Everett Industries (MQ1) .....	Included
Install, Startup, Training at Bet Shamesh, IS (MQ2). 8 days.....	\$23,950
FCA Prepaid Shipping (prepaid to Ogden, UT, customer insures) (2 machines & Torits)..	\$5,580
Donaldson Torit Downflo DFO 3-3 Plug and Play Style Unit (Qty 2).....	\$45,406
<b>Total System Investment for Two Machines.....</b>	<b>\$858,904</b>

## Delivery and Invoicing

Terms (Incoterms 2010) ..... FCA, prepaid freight, Warren, OH  
Payment:

- 10% down payment to confirm order, work and delivery timing begins with receipt of payment.
- 50% upon Design Layout Approval, net 45 days, defined as agreement on machine capacities, stroke, wheel, HP, chuck capacity, jaws, guarding layout, approval of format of electrical, mechanical, and other documentation, and preliminary risk assessment.
- 30% payment, Net 45, invoiced upon completion of assembly and startup, in any case payable prior to shipping.
- 10% upon successful installation and startup at customer site, net 60 days.

**Lead Time to Runoff** at Everett Industries can be 24 weeks after receipt of down payment provided purchase order is received by 26 August, subject to prior sale.

## Optional Support Assistance

**3 Year Extended “Bumper-to-Bumper” Warranty (For 2 Machines).....\$129,800**  
Everett technician in Ogden, UT facility for **1.5 days** on each of **6 trips** over 36 months following installation (2 in each year) to perform preventative maintenance on the machine, replace filters, clean machine, tune alignments, provide additional training, etc. Includes travel and living expenses. Includes an extended parts and service warranty for both machines for 3 years regardless of hours. Parts warranty excludes normal wear and tear (paint scrapes, dents, etc.), machine crashes (cutting into table or chuck and the like), operator abuse (“hammer whipping”, fork lift smashes, etc.), and standard work holding (standard chuck). PM visit line item not needed if this is purchased. **If no trips in addition to the PM trips are required over the life of the warranty, \$11,000 in spare part or dust collection filters would be delivered at end of warranty.**

**Preventive Maintenance Visit .....\$4,985**

Everett technician in Ogden, UT facility for 1.5 days to perform preventative maintenance on the machine. Includes travel and living expenses. Does not include required parts if out of warranty.

This quotation is subject to the attached Everett "Terms and Conditions of Sale". Thank you for your interest in our products. If you have any questions, please don't hesitate to call.

Best Regards,  
**EVERETT INDUSTRIES, LLC**



James L. Vosmik  
President

## EVERETT INDUSTRIES, LLC TERMS AND CONDITIONS OF SALE

This offer firm for ninety (90) days from date of quotation.

**Orders for USA machinery** sold FCA, Warren, Ohio, loaded at Everett Industries, LLC, subject to written acceptance by authorized customer personnel. Shipment by dedicated carrier at buyer's risk, loaded at Everett facility, buyer's responsibility thereafter.

**Orders for non-USA machinery** sold FCA, Warren, Ohio (INCO terms), at Everett Industries, LLC, subject to written acceptance by authorized customer personnel. Containerized shipment at buyer's risk by dedicated carrier to port of buyer's choice, then by ocean carrier to buyer's port of entry.

All designs and software are and shall remain proprietary to Everett Industries, LLC.

**CANCELLATION:** Cancellation up to sixty (60) days prior to scheduled shipment billed at Cost plus 20%, later cancellation at full price. Notwithstanding anything in the standard Everett or Customer purchase order or Terms and Conditions to the contrary, if Customer cancels an order for this equipment at any time up to 60 days prior to scheduled acceptance trials at Everett Industries, as Everett's sole recourse and remedy for such cancellation, Customer will pay Everett for its Costs incurred up to the time of such cancellations plus 20%, but in no event in an amount greater than the purchase order amount. As used in the previous sentence, "Costs" shall mean all direct purchases, subcontracting costs, and direct labor and labor burden (at the rate Everett applies in the normal course of business), in each case directly related to Everett's work under the purchase order on the machine(s), and as reasonably documented and delivered to Customer in writing in connection with such cancellation claim. Customer shall have the right to audit all such claimed Costs with Everett's cooperation, and Everett and Customer will agree on the final amount of all Costs covered hereby. The intent of the aforementioned cancellation charges is to cover the costs incurred and the opportunity costs Everett foregoes in accordance herewith. Everett agrees to use its best efforts to mitigate any such costs.

**WARRANTY:** Everett warrants that the product sold will meet contract specifications and will be free from defects in materials and workmanship and will possess the characteristics represented in writing by Everett. Claim for breach of the above warranty must be made within twelve (12) months from date of delivery to original user. Upon satisfactory proof of a claim, Everett will, within reasonable time, make any necessary repairs or additions; or, at Everett's option, replace defective parts free of charge. Everett will not allow any charges for repairs or additions, nor will Everett accept products returned for credit unless such action has been authorized by Everett in writing. This warranty is terminated immediately if product is relocated or modified by customer without the prior written approval of Everett.

**DISCLAIMER OF ADDITIONAL WARRANTIES: THE FOREGOING WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHICH ARE HEREBY DISCLAIMED.**

**LIMITATION OF DAMAGES:** Repair or replacement of defective parts is buyer's sole and exclusive remedy for any claim against Everett arising hereunder. IN NO EVENT SHALL EVERETT BE LIABLE FOR CONSEQUENTIAL DAMAGES OF ANY NATURE, INCLUDING BUT NOT LIMITED TO ATTORNEY FEES, LOST PROFITS, INCREASED EXPENSES OR ANY COSTS ATTRIBUTABLE TO DELAYS OR NON-DELIVERY, WHETHER BASED ON TORT OR CONTRACT.

## Everett and Donaldson Industrial Air Filtration Product Disclaimer

Donaldson designs, manufactures, and sells industrial air filtration products for a wide variety of applications. Some applications may include processes or materials with inherent fire and explosion hazards. Donaldson is neither an expert nor a certified consultant in fire, spark, or explosion detection, suppression, or control. Donaldson does not provide engineering consulting services related to process or dust hazard analyses, or code and standard compliance. Complying with applicable codes and standards and managing the risks associated with the process or materials remains the responsibility of the process owner/operator. Donaldson may provide referrals to consultants, suppliers of equipment or services related to the detection and/or mitigation of sparks, fires and/or explosions, but Donaldson does not assume responsibility for any such referrals, nor does Donaldson assume any liability for the fitness of a mitigation strategy or product for a particular installation or application. The process owner's final selection of dust collectors and risk mitigation strategies should be based on the outcome of a Dust Hazard / Process Hazard Analysis performed by the process owner. Although early engagement of a dust collector supplier provides helpful insights on the availability and features of various products, process owners should consult with a combustible dust expert and/or a process safety expert before making actual product and mitigation strategy selections.

Everett and Donaldson recommend that all industrial air filtration system designs be reviewed and approved by an expert consultant who is responsible for the integrity of the system design and compliance with applicable codes and standards. It is the process owner's responsibility to understand the risks in their process and mitigate those risks in accordance with all applicable laws, regulations and standards, including those published by the NFPA. Everett and Donaldson also recommend that proper maintenance and housekeeping procedures and work practices be evaluated, developed, and followed to maintain any industrial air filtration products in safe operating condition.

Many factors beyond the control of Everett and Donaldson can affect the use and performance of Donaldson products in a particular application, including the conditions under which the product is used. Since these factors are uniquely within the user's knowledge and control, it is essential the user evaluate the Donaldson products to determine whether the product is fit for the particular purpose and suitable for the user's application. All products, product specifications, and data (airflow, capacity, dimensions, or availability) are subject to change without notice, and may vary by region or country.

***Acceptance and/or approval of quotes and/or proposals and any sale of industrial air filtration products is expressly conditioned on acceptance of this Product Disclaimer.***

Donaldson Industrial Air Filtration Warranty

Donaldson warrants to the original purchaser only that the Goods will be free from defects in material and manufacture for the applicable time periods stated below: (1) Major structural components for a period of ten (10) years from the date of shipment; (2) Non-Structural, Donaldson-built components and accessories including Donaldson Airlocks, TBI Fans, TRB Fans, Fume Collector products, Donaldson built electrical control components, and Donaldson-built Afterfilter housings for a period of twelve (12) months from date of shipment; and (3) Donaldson-built filter elements for a period of eighteen (18) months from date of shipment.

Buyer is solely responsible for determining if goods fit Buyer's particular purpose and are suitable for Buyer's process and application. Seller's statements, engineering or technical information, and recommendations are provided for the convenience of the Buyer, but the accuracy or completeness thereof is not warranted. If, after Seller receives written notice, within the warranty period, that any goods allegedly do not meet Seller's warranty, and Seller, in its sole discretion, determines that such claim is valid, Seller's sole obligation and Buyer's exclusive remedy for breach of the foregoing warranty or any Seller published warranty, will be, at Seller's option, either: (i) repair or replacement of such goods or (ii) refund to Buyer for the purchase price from Seller. In the case of repair or replacement, Seller will be responsible for the cost of shipping the parts but not for labor to remove, repair, replace or reinstall the allegedly defective goods. Refurbished goods may be used to repair or replace the goods and the warranty on such repaired or replaced goods shall be the balance of the warranty remaining on the goods which were repaired or replaced. Buyer waives any claim to any goods which were replaced or the components therein which were replaced. In no event will Seller be required to accept delivery of any allegedly defective goods returned to it without its prior authorization. Any repair or rework made by anyone other than Seller is not permitted without prior written authorization by Seller, and voids the warranty set forth herein. Seller warrants to Buyer that it shall perform services in accordance with the Sales Documents using personnel of required skill, experience and qualifications and in a professional and workmanlike manner in accordance with generally recognized industry standards for similar services. With respect to any services subject to a claim under the warranty set forth above, Seller shall, in its sole discretion, (i) repair or re-perform the applicable services or (ii) credit or refund the price of such services at the pro rata contract rate and such shall be Seller's sole obligation and the exclusive remedy for breach of the foregoing warranty on services. Products manufactured by a third party ("Third Party Product") may constitute, contain, be contained in, incorporated into, attached to or packaged together with, the goods. Buyer acknowledges and agrees that: (a) Third Party Products are excluded from Seller's warranty in this Section 8 and carry only the warranty extended by the original manufacturer, and (b) Seller's liability in all cases is limited to goods of Seller's design and manufacture only. **EXCEPT FOR SELLER'S WARRANTY OF TITLE TO THE GOODS, SELLER EXPRESSLY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES WHATSOEVER, WHETHER, EXPRESSED OR IMPLIED, ORAL, STATUTORY, OR OTHERWISE, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR OF PERFORMANCE, CUSTOM OR USAGE OF TRADE.** Seller's obligations do not cover defects or losses caused by normal wear and tear or deterioration, defects in or damage to any goods resulting from improper installation, accident or any utilization, maintenance, repair or modification of the goods, or any use that is not consistent with Seller's instructions as to the storage, installation, commissioning or use of the goods or the designed capabilities of the goods or that, in its sole judgment, the performance or reliability thereof is adversely affected thereby, or which is subjected to abuse, mishandling, misuse or neglect or any damage caused by connections, interfacing or use in unforeseen or unintended environments or any other cause not the fault of Seller, and shall be at Buyer's expense. Seller's warranty is contingent upon the accuracy of all information provided by Buyer. Any changes to or inaccuracies in any information or data provided by Buyer voids this warranty. Seller does not warrant that the operation of the goods will be uninterrupted or error-free, that the functions of the goods will meet Buyer's or its customer's requirements or that the goods will operate in combination with other products selected by Buyer or Buyer's customer for its use.

The terms of this warranty may only be modified only by a special warranty document signed by a Director, General Manager or Vice President of Donaldson. To ensure proper operational performance of your equipment, use only genuine Donaldson replacement parts.



Donaldson Company, Inc.  
Industrial Air Filtration  
P.O. Box 1299  
Minneapolis, MN  
55440-1299 U.S.A  
Tel 800-365-1331  
donaldsontorit@donaldson.com  
www.donaldsontorit.com