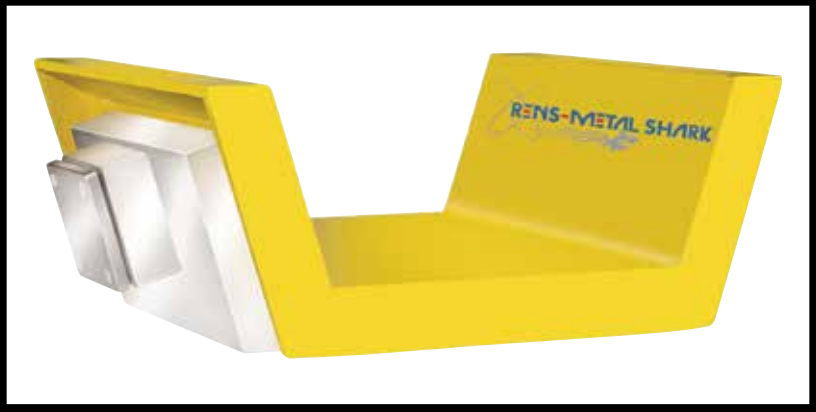
RENS-METAL SHARK

A division of

CONNEXUS INDUSTRIES INC

Chain & Industrial Manufactured Solutions



Metal Detectors

RENS®

METAL SHARK

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QAS International

REGISTRATION CERTIFICATE

This document certifies that the administration systems of

Connexus Industries Inc.

27474 Gloucester Way, Langley, British Columbia V4W 4A1, Canada

have been assessed and approved by QAS International to the following management systems, standards and guidelines:

ISO 9001:2015

The approved administration systems apply to the following:

Connexus Industries Inc. located in Langley, British Columbia, Canada is a world leading provider of design, engineering and manufacturing steel products with a primary focus on severe and speciality conveyor chain and sprockets, which includes waste water management systems (Environ Division).

Original Approval	19th October 2015
Current Certificate	6th September 2022
Certificate Expiry	6th September 2023
Certificate Number	CAN2128

Signed: Certification Officer

On behalf of QAS International

This certificate remains valid while the holder maintains their administration systems in accordance with the standards and guidelines stated above, which will be audited annually by QAS International. The holder is entitled to display the above registration mark for the duration of this certificate, which should be returned to QAS International upon reasonable request.
Issuing Office: QAS International, 5 Technology Park, Colindeep Lane, London, NW9 6BX, UK

QAS INTERNATIONAL

RENS Metal Detectors are designed to save you money.

We have been manufacturing metal detectors for industrial applications for more than 70 years.

Whatever your needs are we have a detector to keep metal from damaging your equipment. There is no situation we can't adapt to or figure out. Let us help you save down time, save equipment and keep profits flowing.

Tectronix / Metal Shark was established in 1995 and brings the capacity to develop and produce highly sensitive industrial metal detectors for a wide array of industries to the Connexus umbrella.

Metal Shark is the industry leader in digital microprocessor technology. With their effort to continue to research and develop new and improved products we strive to be the bench mark for metal detection.

METAL SHARK WHOLE LOG APERTURES

AVAILABLE IN SQUARE AND RECTANGULAR CONFIGURATIONS

Exclusive Round Aperture

- Delivers balanced all around signal for optimum sensitivity
- Important with a variable diet of log configurations

Rectangle Aperture

Square Aperture

- Shortest Metal Free Zone (MFZ) in the Industry
- Stainless Steel housings provide Total Shielding against transient influences that cause false/nuisance tripping
- The most technologically advanced metal detector available . . . exclusive 4 channel DDS and DDP microprocessor provides continuous accuracy and stability
- System 'learns' the product and automatically compensates and adjusts for such things as different species, moisture, VFDs and pitch ensuring 95% less false/nuisance tripping
- Up to 6000 fpm scanning speed with 100% accuracy
- Dye mark and/or electronically signature exact location of metal

A 40 / A 60 - RADAX WHOLE LOG SEARCH COIL

- Rectangle or Hexagon Aperture Coil built to match existing conveyor trough specifications
- RADAX internal coil configuration to maximize detection sensitivity

A 50 - SQUARE HIGH POWERED SEARCH COIL

- Efficient and cost effective tramp metal detector
- Aperture size customizable to perfectly fit application - small logs, cants, boards, etc.

A 30 - U SEARCH COIL

- Originally designed for scanning pulp logs for tramp metal
- Open top allows crane operation and material removal without potential damage to search coil

- Constructed with internal shielding and multi-layer fiberglass to withstand tough environments
- Analog technology provides simplified operation - set the parameters then walk away
- Analog detection circuitry is more forgiving when changing between materials or log species

ST/VT VIBRATORY & BELT CONVEYOR METAL DETECTOR

- 3-sided protection configured to suit your conveyor
- Shortest Metal-Free Zone (MFZ) - 24" in the Industry
- Sensing for metal from 3 sides provides maximum protection
- Detector is molded as an integral part of the fiberglass section
- Stainless Steel housings provide Total shielding against transient influences that cause false/nuisance tripping
- Easy to install into conveyors with or without an existing system
- Superior performance vs. Flat Plate style detector
- Safeguards your downstream equipment from unexpected surges in burden depth
- ST model comes with 3/8" thick black anti-static UHMW wear liner
- Pulp safe options available

METAL SHARK FLAT PLATE

- Shortest Metal Free Zone (MFZ) in the industry
  48" for vibrating conveyors
  30" for belt conveyors
- Stainless Steel housings provide Total Shielding against transient influences that cause false/nuisances tripping
- Rugged design will withstand the harshest environments

RENS FLAT PLATE

- Fail-safe electronic design
- Controller Models available to provide 10 or 30 levels of sensitivity adjustment
- Two solid-state control relays
- Modular construction (plug-in electric modules)
- Wide temperature operating range (-15C to +55C ambient air temperature
- Large meter readout
- Manual or automatic reset mode
- Search coils for belt or trough width ranging from 14" to 78"
- Power input option - 120/240V (50-60Hz AC 1 phase)
- Ferrous & non-ferrous metal detection
- Three year warranty

P-4000 PORTABLE METAL DETECTOR

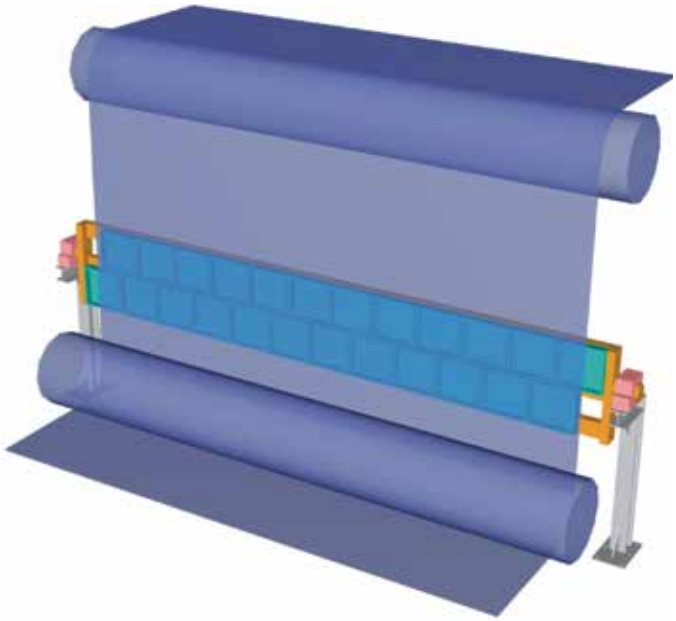
Rens Model P-4000 is a fully automated unit. The P-4000 runs 10 hours on a full charge. Regulated power prevents loss of sensitivity as battery charge is depleted.

Features

- Self Calibrating
- Durable
- Regulated Power
- Battery Gauge
- Protective Case
- Fully Adjustable

COMBI

- Flat metal detector for textile and non-woven products
- Provides outstanding sensitivity, accuracy and precision
- Digital balance control levels temperature and humidity influences
- Auto calibration provides fast and easy setup
- Digital frequency and phase control avoid any drifts. Once the system is calibrated it will keep the setup forever. There is no need for recalibration
- Available with a high-speed option
- Custom designed into segments to suit specific needs
- Supplied with product guides to ensure uniform contact between product and sensing face
- Supplied with floor stands



SPECIALTY APPLICATIONS

GRAVITY FEED

Bulk Material Application

- Available in standard and compact design
- Easy to hand and install with supplied bracket
- SS housing provides total shielding against transient noise
- Supplied with auto reject chute
- High Pressure wash-down option available

BIG PBA

Engineered Wood

- Provides outstanding sensitivity, accuracy and precision
- Power drive booster field
- Dimensions of coil designed for installation on most molding lines
- Application range spans both thin & thick production lines
- Runs on conveyor speeds ranging from 1 - 400ft/min

FORMING & PRESS LINES

Cassel Metal Detectors are the number one choice for metal detection on all Siempelkamp and Dieffenbacher forming and press lines.

Connexus is now offering a competitive upgrade package to enable you the opportunity to get optimum performance for your forming and press line metal detectors.

Advantages

- Enhanced graphic presentation on 5.4" colour display
- Easy set-up, troubleshooting and test modules
- Improved reporting capabilities
- Enhanced logging features for metal alarms and event reports
- Upgrade from a DSP system for increased sensitivity
- Most of the spare parts for the DSP system are now obsolete

SHARKNET-2™ SOFTWARE

Our SharkNET-2™ Software (Shark-2A electronics accommodates a connection to a common point such as maintenance or planning office).

- The software enables mill personnel to record and analyze productivity/operating data and display the status of all detectors on line
- The data will be recorded automatically and displayed in report form
- Remote Control Access if the metal detector is installed in a lock down area

The software also allows the service technician or mill personnel to perform diagnostics, when and if required.

Package includes:

- Shark2A Control Box update
- Shark Net Software
- Ethernet module
- Mounting Kit

CONTACT

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