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# ACIER JP

**FORESTRY SECTOR**

January 2017

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# FIRST, WE WOULD LIKE TO ——— THANK YOU ————— FOR YOUR INTEREST

For over 25 years, AJP has been committed to excellence.

Our team of over 50 employees has strong values and a devotion to expertly designing and manufacturing mining and forestry equipment.

We are constantly working to improve our engineering and manufacturing processes in order to provide our clients with the fastest delivery, the highest quality products, and the most competitive prices.

By choosing the AJP team for your manufacturing needs, you can be sure that your project will be completed on time and on budget.

René Perreault  
President

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# WE BUILD — RELATIONSHIPS

Our mission is to design and manufacture high-quality equipment to help our clients make their projects a reality.

We collaborate with our clients to deliver creative solutions that meet their specific needs and quality standards.

# 1 | OUR HISTORY

Acier JP Inc. was founded in La Reine, Quebec in 1991. We specialize in the design and manufacturing of custom solutions for wood-processing facilities, oriented strand board (OSB) plants, businesses in the pulp and paper industry, as well as the mining industry. We produce bulk materials, construction-grade steel, and various custom products.

In 1996, we built our first 7,200-ft<sup>2</sup> building to house a manufacturing facility and our administrative offices.

Demand began to grow, and by 2000 we needed another 10,000-ft<sup>2</sup> building for our paint shop and our second factory. In 2006-2007, we expanded our soldering workshop and installed a new plasma cutting table.

Once again, in 2016, we added on to our workshop for a total of 32,000 square feet. Construction has begun on new offices for our design and engineering department. We also recently purchased and installed an automated punch press to increase production.

Acier JP Inc. leaped ahead of the competition with the introduction of two new products, our self-cleaning rotary unscrambler and our mobile rotary debarker, which are unlike anything else currently on the market.

Our company's strength lies in the knowledge and productivity of our employees, the support provided by our administrative staff, and our constant drive for innovation. All of that is what sets Acier JP Inc. apart from our competitors.

Acier JP also provides CE CONFORMITY CERTIFICATION on equipment for European clients.

Thanks to our excellent financial partners, we are able to offer competitive financing options.

## 2 | HUMAN RESOURCES

Our team of experienced welders is CSA W.47.1 Division 2.1 certified by the Canadian Welding Bureau, so we can guarantee that your projects will meet or exceed your quality expectations and be delivered on time. Our employees are encouraged to strive for excellence.

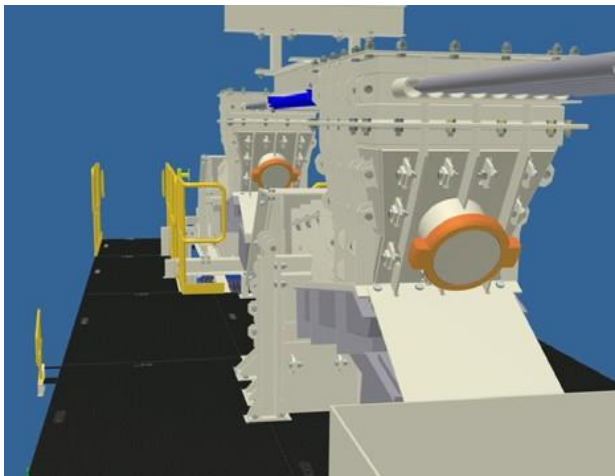
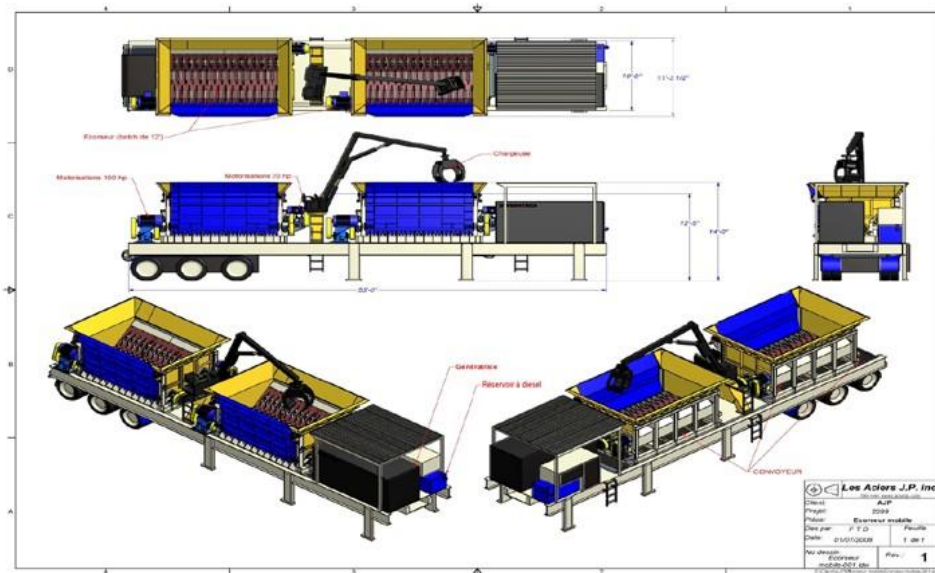
In working closely with our clients throughout the years, we have developed safe and efficient manufacturing techniques, while also prioritizing fast delivery.



## 3

# DESIGN AND ENGINEERING

Our design team is committed to providing high-quality services and solutions that meet our clients' particular needs. Our 3D computer-aided drafting software helps us detect potential design flaws before a custom product can move on to the construction and assembly phases.



*From 3D modeling to the finished product*

## 4 | MANUFACTURING WORKSHOP

The Acier JP workshop houses several departments; each deals with a different aspect of steel treatment and handling, but they all do so with a strong work ethic and a continuous desire to improve.

Our experienced and certified employees (Canadian Welding Bureau) are the reason that we are considered a leader in our industry. We are also certified according to ISO 9001:2008 standards.

### OUR EQUIPMENT

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- (6) 5-ton capacity overhead cranes
- (2) 20-ton capacity overhead cranes, for a total lifting capability of 40 tons
- Plasma cutting table and automated torches
- Automated punch press
- 22-ton hydraulic crane
- 110-ton cable crane
- Delivery truck with 30-ft bed
- Truck with 48-53-ft trailer
- 200,000 square feet of space Including our warehouse
- 32,000-ft<sup>2</sup> workshop
- (2) Sandblasting shops
- (2) 60-ft paint shops



## THE ACIER JP WORKSHOP IN LA REINE, QUEBEC (CA)



## FORESTRY SECTOR

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# EXPERTISE



### ROTARY DEBARKER

Rotary debarker: stationary or mobile, diesel or electric



### BIOMASS TREATMENT PLANT

Design, manufacturing, and installation of systems (screens, rotary debarkers, conveyors, chippers, etc.) to extract wood fiber from old and fresh bark, clean it, strip it, and chip it in order to create added value.



### RAKE CONVEYOR AND LOG CONVEYOR (OSB)

Rake conveyor, log conveyor, and support structure design and manufacturing



### CONVEYORS

Conveyor manufacturing for OSB plants



### GREEN END OSB PLANT

Slasher, log transfer, immersion pool, and waste conveyor design and manufacturing



**IMMERSION POOLS**  
Design and manufacturing



**DOUBLE-ACTION OR  
SELF-CLEANING  
STEP LOADER**



**IMMERSION POOL  
AND IN-FEED  
CONVEYOR**



**LOG TRANSFER**  
Sturdy construction, painted and assembled at our factory and installed at your site.



**CUTTING SOLUTIONS**  
Depending on where you are in the process, we can either build specialty cutting equipment based on your designs, or turn your ideas and personal needs into a custom design of our own.



**ROTARY UNSCRAMBLER**  
An Acier JP original design

# 7 | CHIP SCREENING

## ADD VALUE TO OLD BARK

Our wood chip screening systems allow both old and fresh bark to be recycled, by sifting out debris such as rocks and metal, and wood fiber to be extracted. The wood fiber and bark collected can then be turned into a value-added product.

### BENEFITS

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- Get the most out of old piles of bark
- Ensure biomass supply
- Reduce equipment maintenance costs by removing debris
- Add value to bark and wood fiber
- Environmentally friendly



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### VIDEO



## ADDS VALUE TO BARK AND WOOD FIBER

WASTE BARK



DEBRIS REMOVED



PROCESSED BARK



WOOD FIBER COLLECTED



WOOD FIBER TURNED INTO  
WOOD CHIPS

## SCREENING, PROCESSING, AND PILING SYSTEM FOR A POWER PLANT



ACIER JP

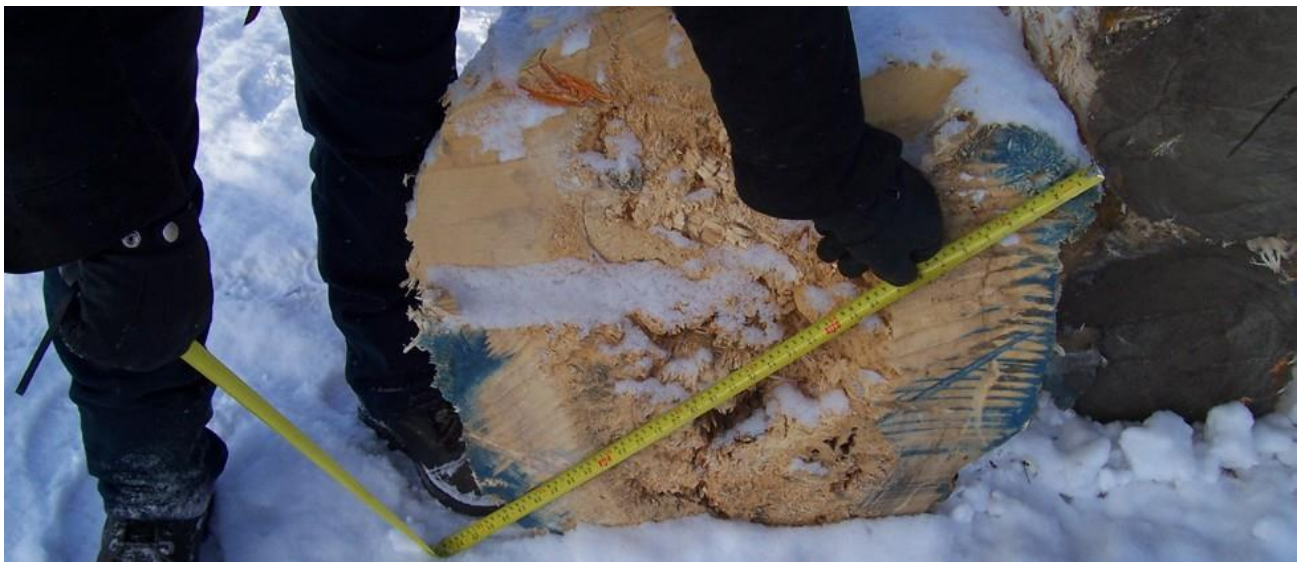
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# ROTARY DEBARKERS

## OVERVIEW

With the cost of wood fiber increasing, it is important to get the biggest yield possible out of each log. Acier JP continuous-feed rotary debarkers can debark logs as short as 1 foot with diameters ranging from 1 to 30 inches, and can handle logs of various shapes and sizes all at once.

### LARGE LOG (30")



### ASPEN (1'-5')



### SMALL CROOKED LOG (2")



## **EXCELS AT HANDLING CROOKED AND KNOTTY WOOD**

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Our debarkers also expertly handle difficult-to-debark wood including crooked and knotty trunks, uprooted trees, and fire- and insect-damaged wood.

### **KNOTTY AND CROOKED PINE LOGS ENTERING THE DEBARKER**



### **KNOTTY AND CROOKED LOGS BEING DEBARKED**



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### **LOGS COMING OUT OF THE DEBARKER**



### **LOGS ENTERING THE WOOD CHIPPER**



### **WOOD CHIPS CONTAINING LESS THAN 1% BARK**



### EUCALYPTUS DEBARKING STUDY

In 2016, we performed a debarking study on eucalyptus wood and obtained excellent results (less than 1% bark).

#### EUCALYPTUS - DELIVERY



#### EXTRACTED EUCALYPTUS BARK



#### EUCALYPTUS - DEBARKING



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#### VIDEO



## FEATURES

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- All of our debarking units are designed for durability
- The bottom plate prevents rocks and other small pieces from getting into the waste system
- Aggressiveness can easily be modified depending on the percentage of bark desired

## ROTOR AND TOOLS



## EASY ADJUSTMENT

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Easily change your debarker's settings during operation with the help of a remote control. Fine-tune your output and the percentage of bark by adjusting:

- The rotational speed of the rotor, set individually on hydraulic models
- The debarker's incline
- The discharge gate, which controls log flow

## BENEFITS

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- Acier JP's uniquely-designed rotors and tools save you time and money on maintenance
- Custom-made products that are built to last
- Excellent performance year-round and with all types, sizes, shapes, and conditions of wood
- Optimal production, good control over concentration of bark retained, highly efficient debarking, minimal wood fiber damage, minimal fiber loss.

## CUSTOMER SERVICE AND SUPPORT

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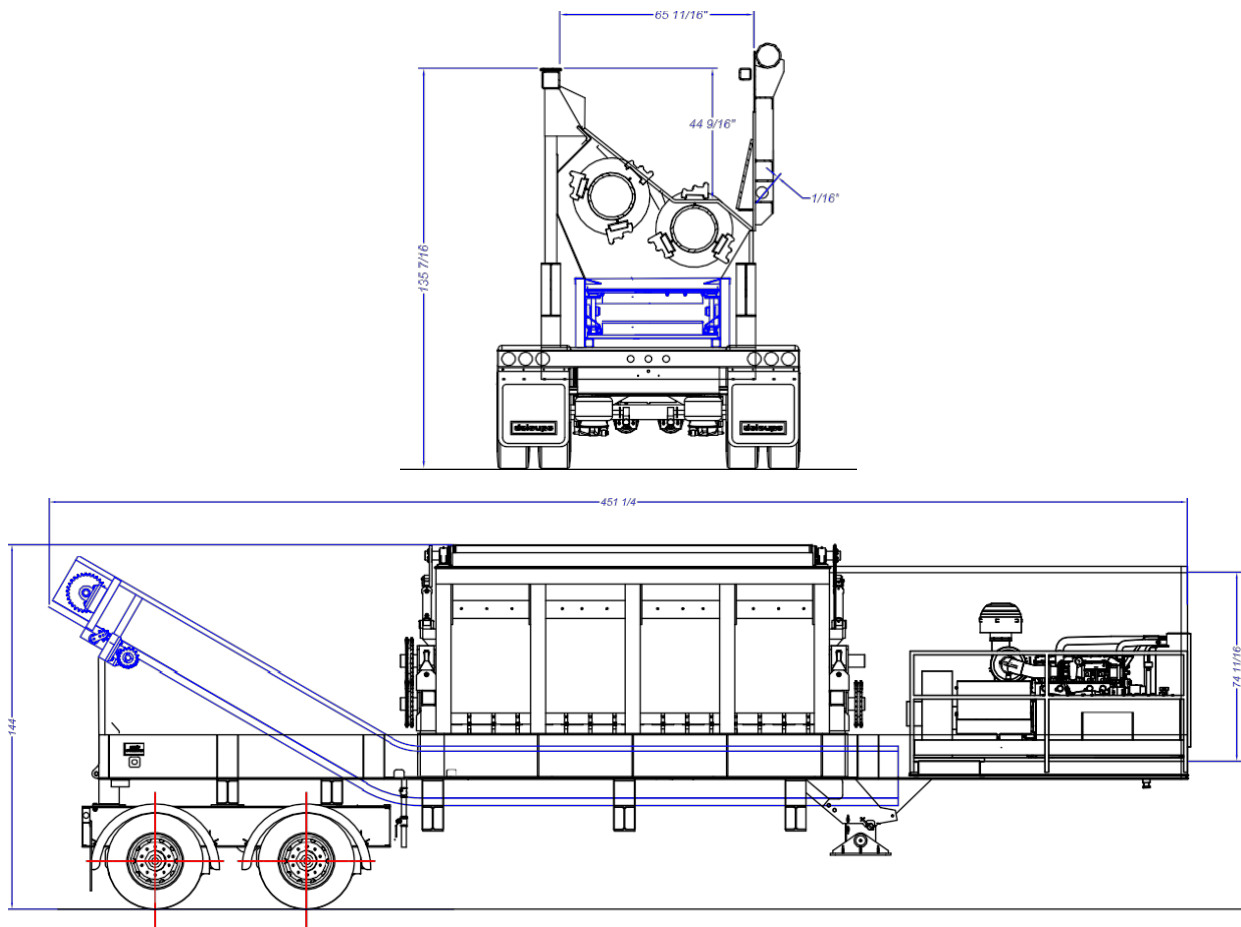
- We provide 24/7 technical support.
- We also offer the possibility of an excellent after-sales service contract.

### VERSATILE DEBARKER MODELS

We offer several different debarker models, which can be modified according to your needs:

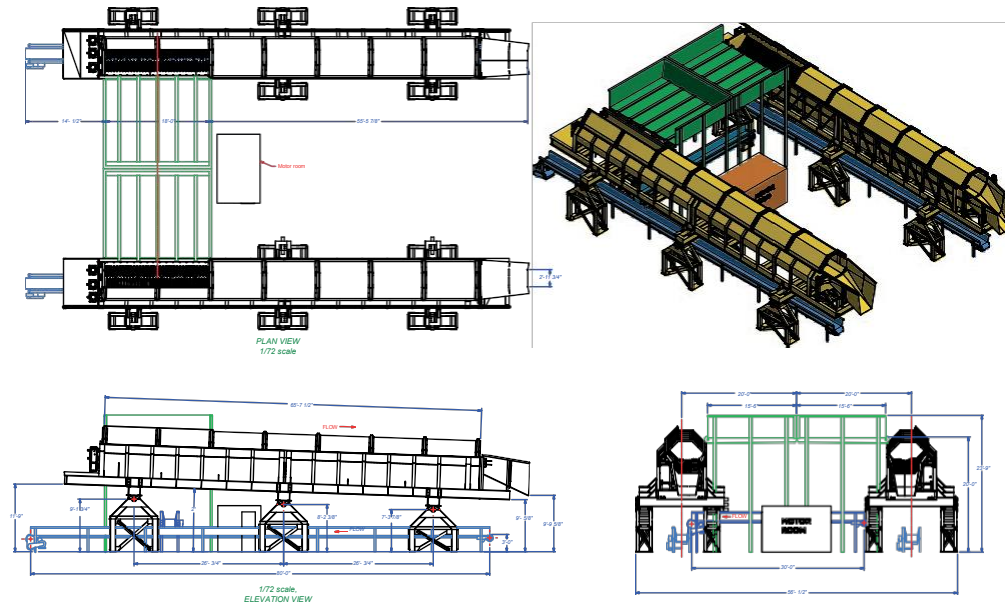
- Debarking units: 8 to 80 feet long, or longer depending on your production needs
- Mobile or stationary
- Diesel or electric
- 2 or 3 rotors, chain drive or hydraulic

### 8' MOBILE DEBARKING UNIT

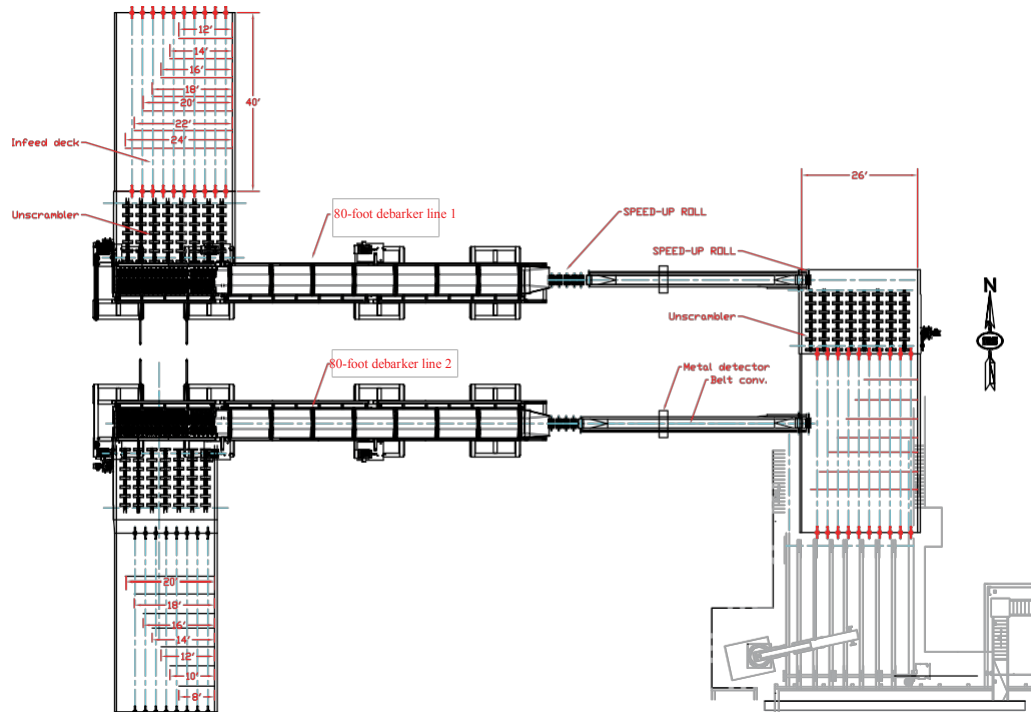


We also manufacture all of the necessary accessories for our equipment, including transfer mechanisms, unscramblers, chain conveyors, roller conveyors, screen conveyors and conveyor belts, cutters, steel structures, platforms, steps, and railings. All of our equipment is adapted to your specific installation conditions.

## 60' STATIONARY DEBARKING UNITS (X2)



## (X2) 80' STATIONARY DEBARKING UNITS



## STATIONARY ROTARY DEBARKER



MODEL N° ERCF-202-1M-1E

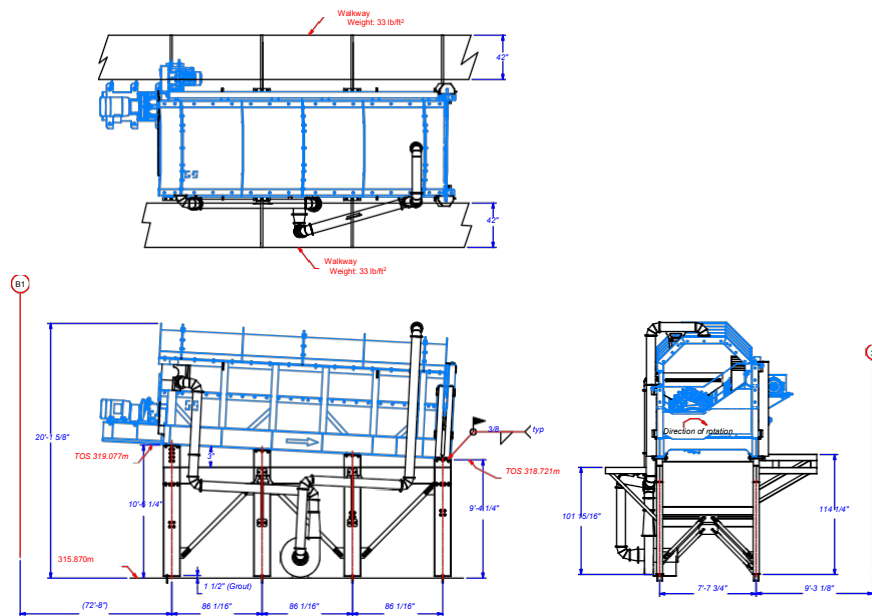
### PRODUCT SPECS

**CONTINUOUS-FEED  
ROTARY DEBARKER  
20' UNIT  
2 ROTORS  
CHAIN MOTOR  
STATIONARY  
ELECTRIC**

### VIDEO



## DESIGN



## MANUFACTURING



## DEBARKER INSTALLATION



## CHIP SCREENING FACTORY



## PRODUCTION



## MOBILE ROTARY DEBARKER

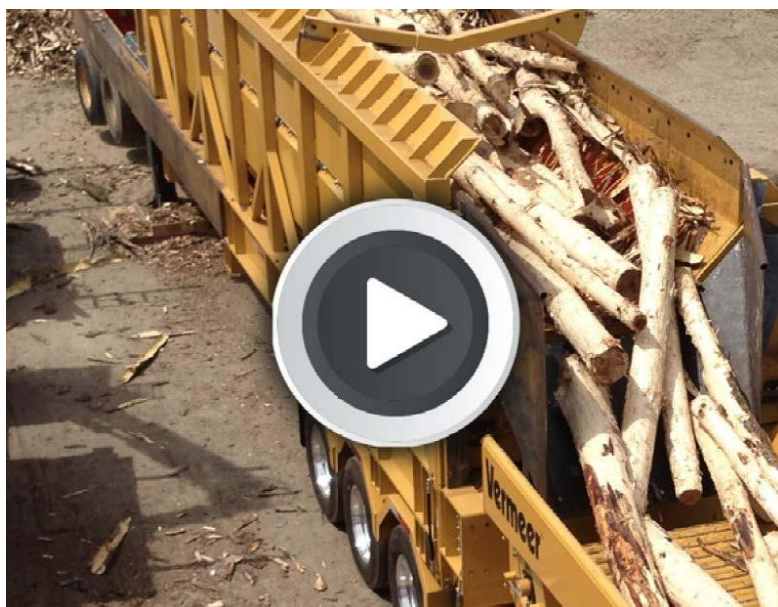


MODEL N° ERCM-303-3M-1D

### PRODUCT SPECS

**CONTINUOUS-FEED  
ROTARY DEBARKER  
30' UNIT  
3 ROTORS  
HYDRAULIC  
MOTOR  
MOBILE  
DIESEL**

### VIDEO



## DESIGN



## CLOSE-UP VIEW



## READY FOR DELIVERY



## OPEN FOR PRODUCTION



## PRODUCTION



## MOBILE ROTARY DEBARKER



MODEL N° ERCM-303-3M-2E

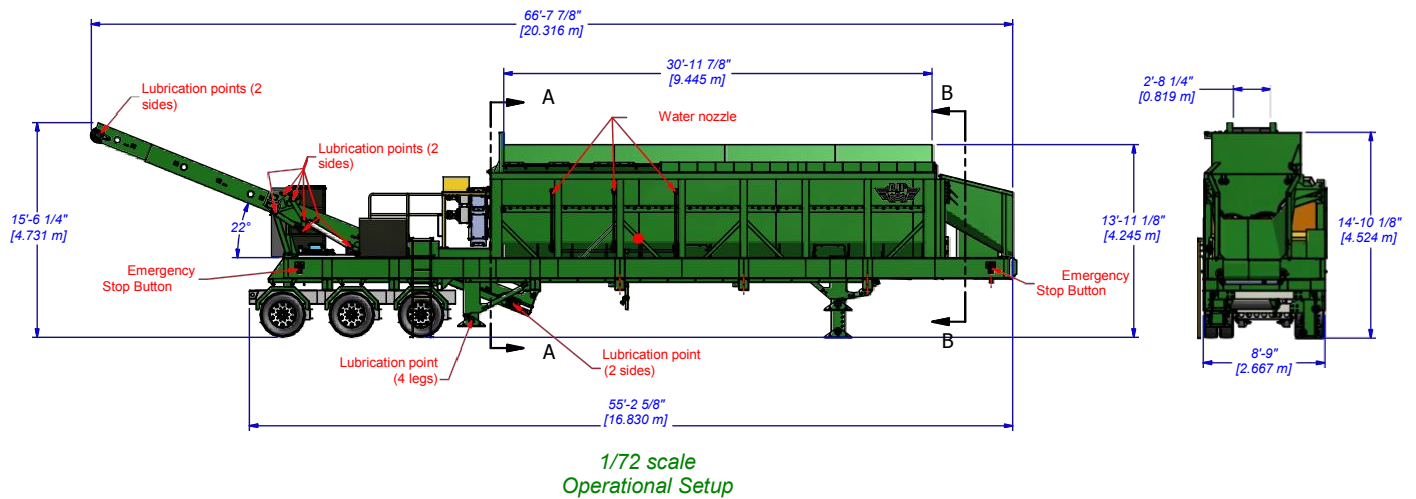
### PRODUCT SPECS

**CONTINUOUS-FEED  
ROTARY DEBARKER  
30' UNIT  
3 ROTORS  
HYDRAULIC MOTOR  
MOBILE  
ELECTRIC**

### VIDEO



## DESIGN



## MANUFACTURING



## DELIVERY PREPARATION



## ARRIVAL IN BELGIUM



## PRODUCTION



## STATIONARY ROTARY DEBARKER



MODEL N° ERCF-303-3M-2E

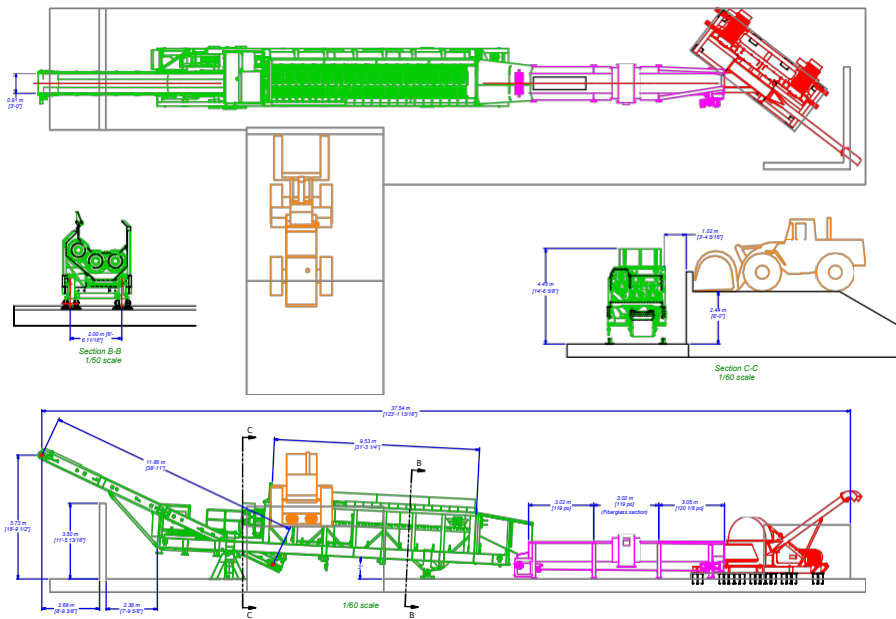
### PRODUCT SPECS

**CONTINUOUS-FEED  
ROTARY DEBARKER  
30' UNIT  
3 ROTORS HYDRAULIC  
MOTOR STATIONARY  
ELECTRIC**

### VIDEO



## DESIGN



## DELIVERY PREPARATION



## ARRIVAL IN SPAIN



## PIVOT LEGS AND TRANSPORT FEET



## INSTALLATION



## MOBILE ROTARY DEBARKER



MODEL Nº ERBM-103-3M-1D

### PRODUCT SPECS

**ROTARY DEBARKER**

**10' UNIT**

**3 ROTORS**

**HYDRAULIC MOTOR**

**MOBILE**

**DIESEL**

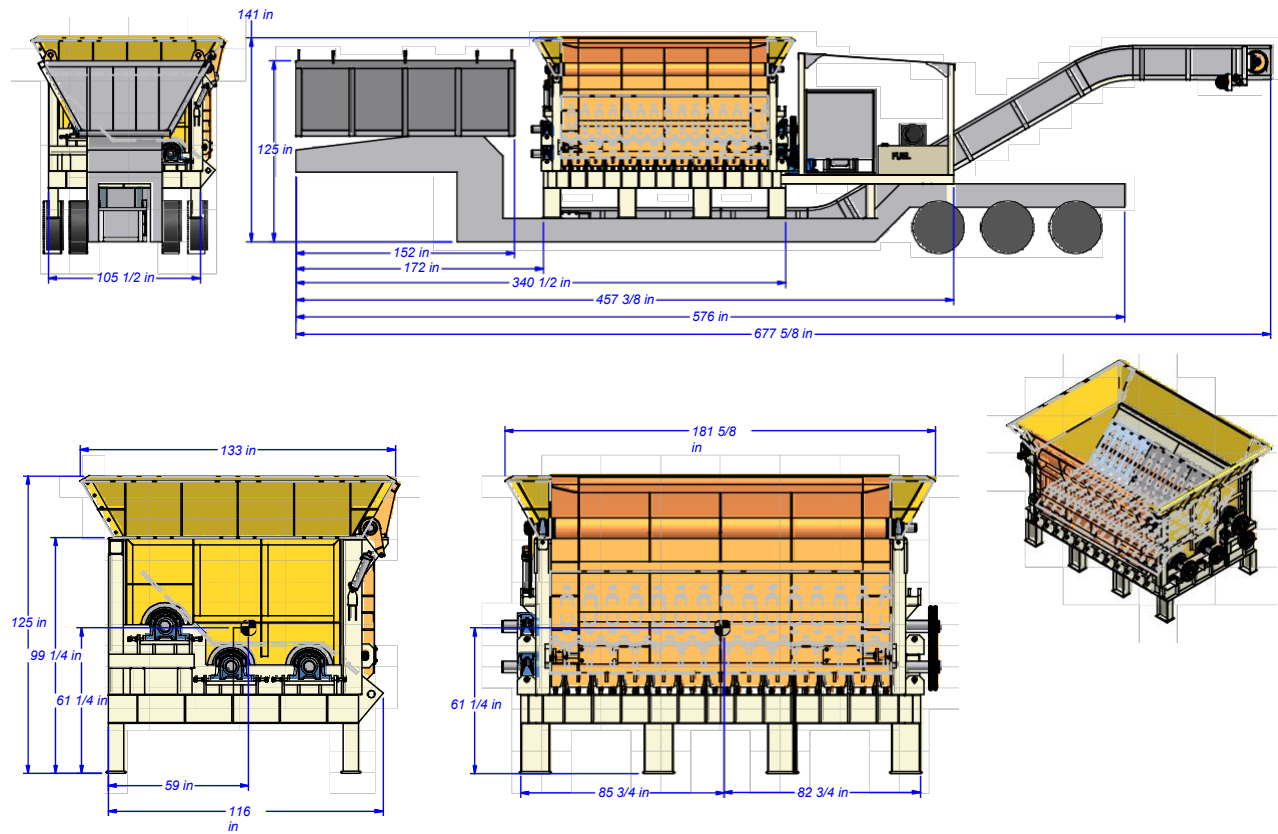
### READY FOR DELIVERY



### ARRIVAL IN UKRAINE



## DESIGN



## IN PRODUCTION



## IN PRODUCTION



## STATIONARY ROTARY DEBARKER



MODEL N° ERBF-083-1M-1E

### PRODUCT SPECS

**ROTARY DEBARKER**

**8' UNIT**

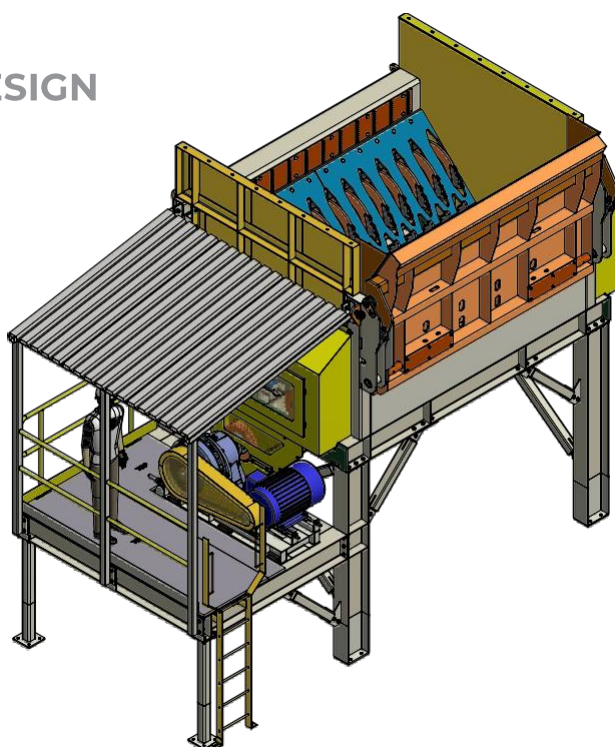
**3 ROTORS**

**CHAIN MOTOR**

**STATIONARY**

**ELECTRIC**

### DESIGN



## MANUFACTURING

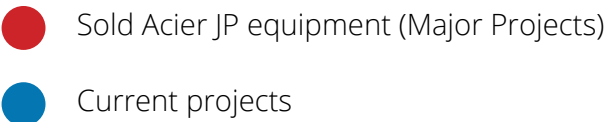


## COMPLETED DEBARKER



## READY FOR DELIVERY







## 9 | CONTACT

We would be honored to collaborate with you on your next project. We can guarantee that you will be impressed by the quality of our work.

For more information about our company, feel free to contact us.

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THANK YOU  
FOR YOUR INTEREST

