



Andela

AGB-1HD

AGB-1HD System

10 TPH Capacity

Efficient Size Reduction

Flexible Impact Hammers

Product Destruction

Glass Cullet Processing

Commingled Container Processing & Separation

Model:

AGB-1HD System

Reduces waste

*Provides a cost effective remedy
for environmentally conscious
communities*

ANDELA PRODUCTS

493 State Route 28
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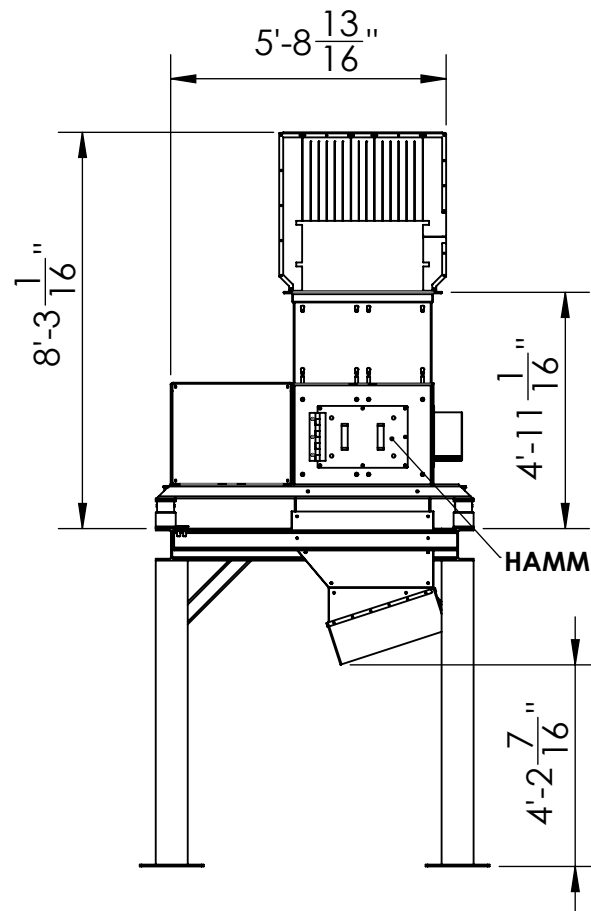
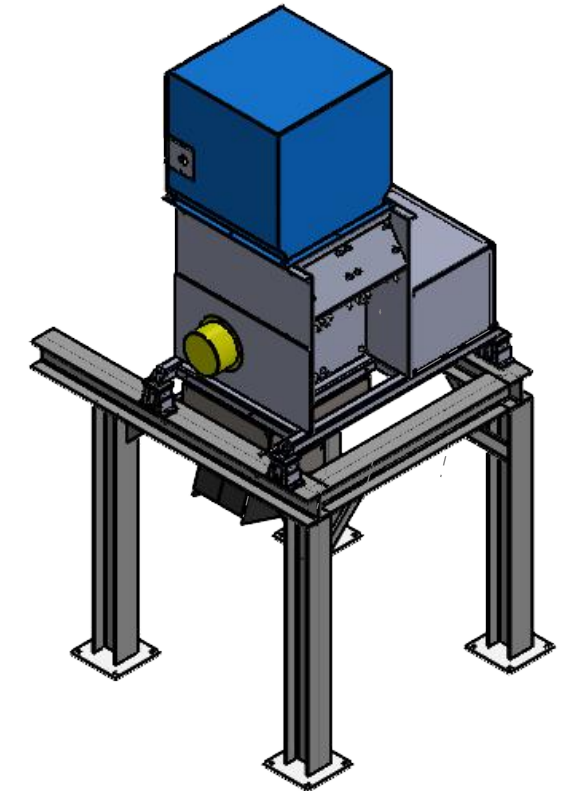
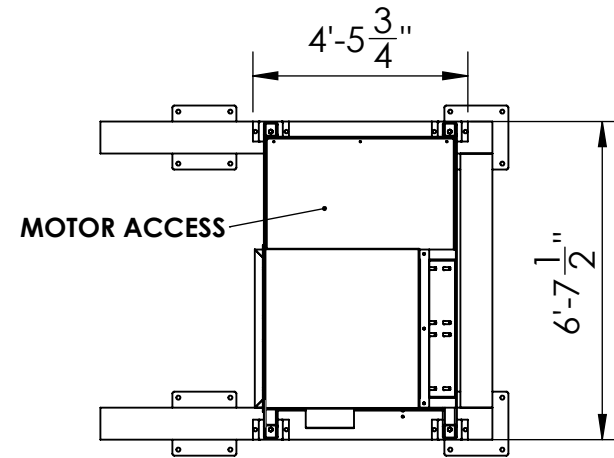


- The best kept secret in flexible, efficient size reduction for glass, ceramics, or other brittle materials. Glass only or mixed with plastics, paper or light metal.
- The Andela Breaker System is used for glass cullet production or to efficiently reduce and separate mixed glass from a commingled mix of glass, plastic and aluminum.
- Also available as a single unit
(See Equipment page)

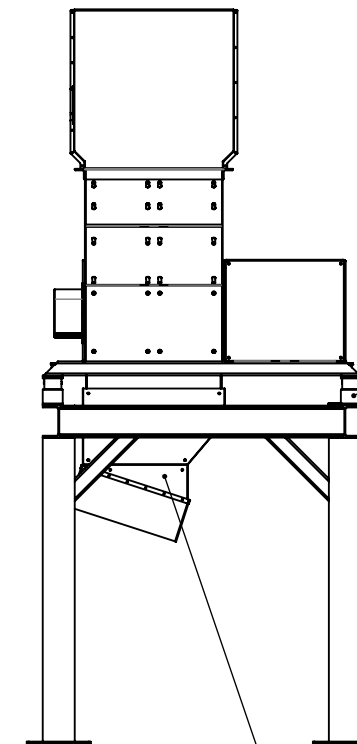
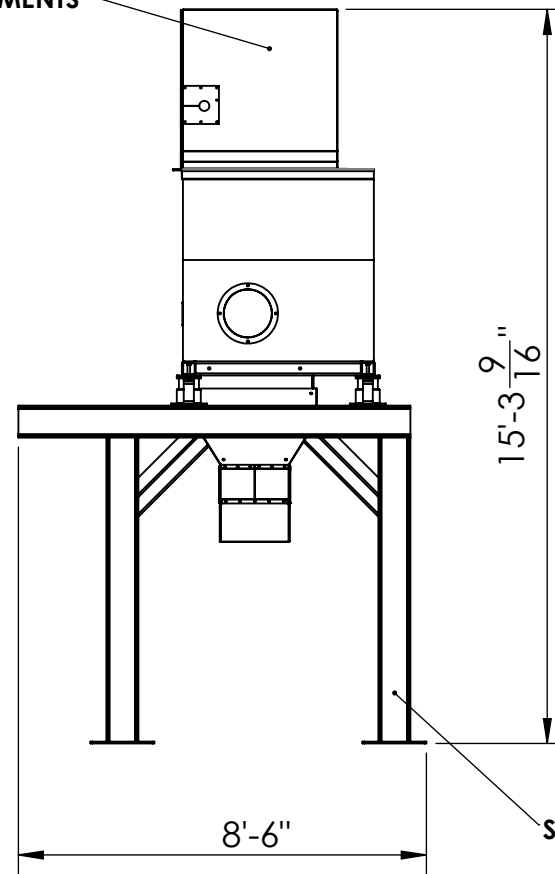
- **Simple to operate and maintain**
- **Low power requirements for significant size reduction**
- **Will process a mix of glass and other materials selective size reduction**
- **Big machine features with a small machine price**
- **Heavy duty construction**

NOTE:

- 1) ELECTRICAL IS 3 PHASE, 460v, 60 HZ
- 2) MOTOR 15HP
- 3) COLOR IS RAL-5015 BLUE, with RAL-1023 TRAFFIC YELLOW GUARDS
- 4) ALL DIMENSIONS ARE REFERENCE DIMENSIONS AND ARE SUBJECT TO CHANGE PER CUSTOMER SPECS.
- 5) APPROXIMATE WEIGHT: 4300 LBS.



INFEEED HOOD MADE TO CUSTOMER REQUIREMENTS



AGB1 BREAKER IS MOUNTED TO SUPPORT FRAME AT (4) LOCATIONS USING ANTI-VIBRATION MOUNTS

DISCHARGE CHUTE MADE TO CUSTOMER REQUIREMENTS



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DRAWN BY: RJY
MODELED BY: RJY
DATE 12/13/2022
CHECKED BY:
SCALE 1:48

AGB1
AGB1 on STAND

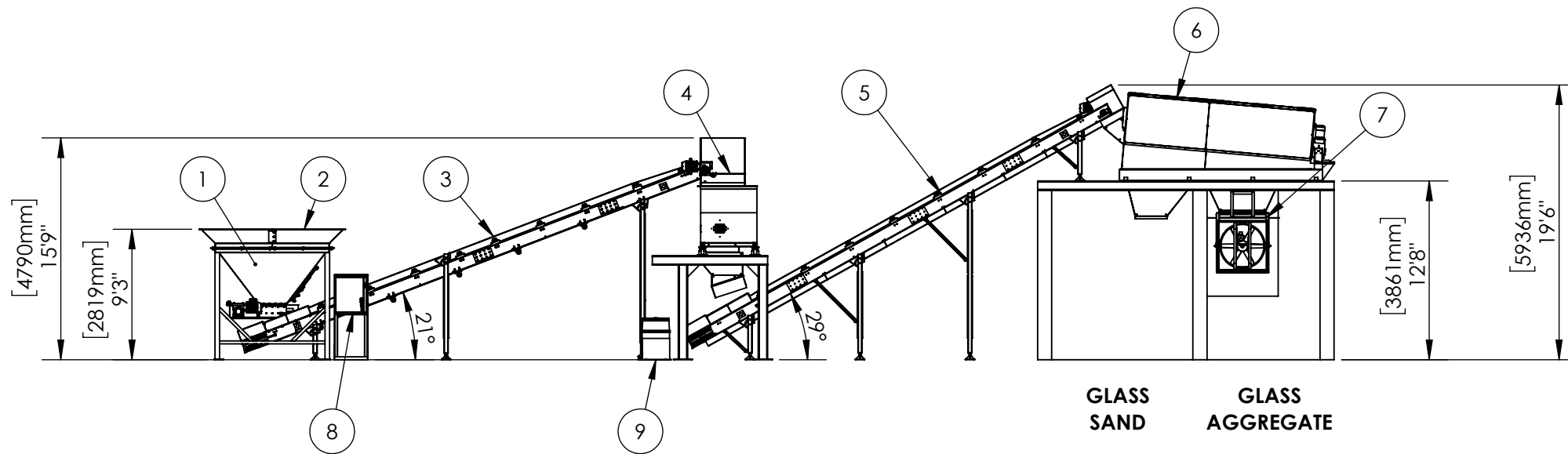
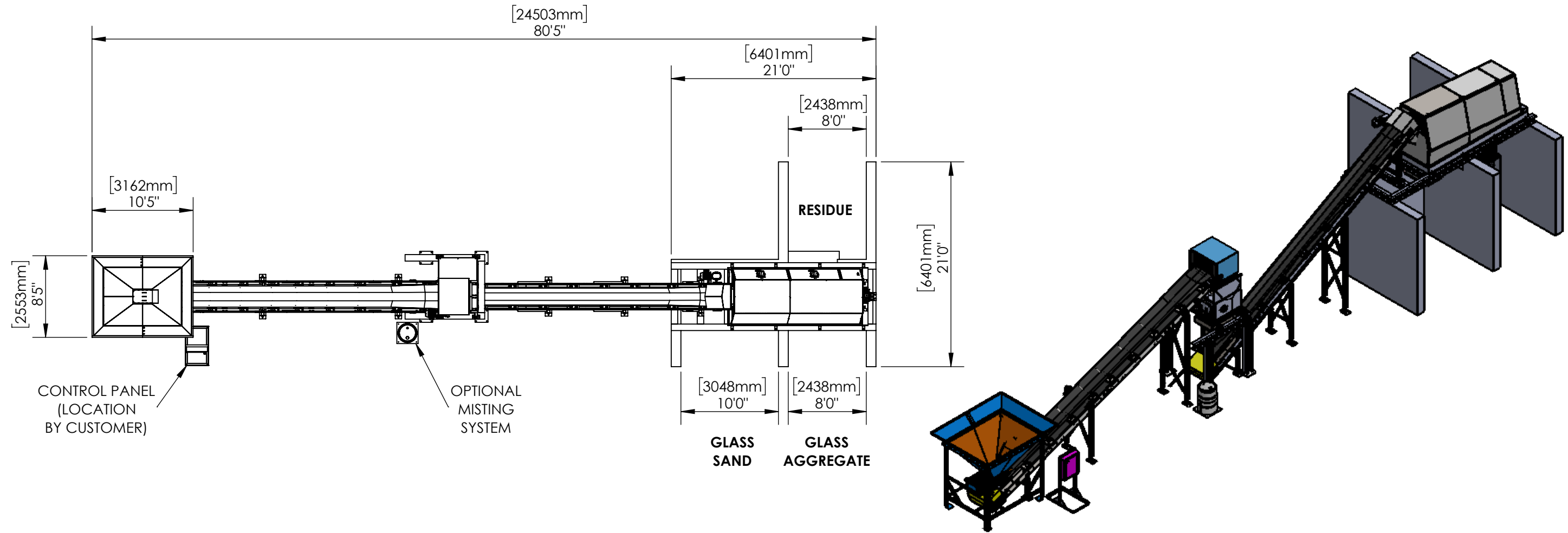
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REVISION	DATE	FILE NO

ALL EQUIPMENT PAINTED RAL-5015 SKY BLUE, ALL GUARDS AND RAILINGS PAINTED RAL-1023 TRAFFIC YELLOW, AND ALL PLATFORMS PAINTED RAL-9017 TRAFFIC BLACK, UNLESS OTHERWISE NOTED.

AGB1

SHEET 1 OF 1



AGB1 AND ATROM 104 SYSTEM			
ITEM NO.	DESCRIPTION	HP	QTY.
1	AMSH-86-18 SURGE HOPPER	3 HP	1
2	AMSH-86-18 OPTION FLARED SIDES	N/A	1
3	30" X 36' CONVEYOR	5 HP	1
4	AGB1 GLASS BREAKER	15 HP	1
5	24" X 34' CONVEYOR	5 HP	1
6	ATROM104 - TROMMEL	5 HP	1
7	PAPER REMOVAL BLOWER SYSTEM	1 HP	1
8	CONTROL PANEL	N/A	1
9	OPTIONAL MISTING SYSTEM	1/12 HP	1



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DRAWN JEA
DATE 6/16/2021
CHECKED
DATE
SCALE 1:128

AGB1-ATROM104
ATROM-104 AND AGB1 BREAKER
LAYOUT FOR PICKING STATIONS

ANDELA PRODUCTS

REVISION	DATE	FILE NO

AGB1-104

SHEET 1 OF 1



ANDELA BREAKER MODEL AGB-1HD

The Andela Breaker is ideally suited to many applications because of its durability, flexibility, and design. This equipment is unique in its ability to successfully process a broad range of items using a technology that selectively reduces certain material while leaving others whole.

MACHINE SPECIFICATIONS

Dimensions

Overall Depth	51”
Overall Width	79”
Overall Height	Variable
Hopper Input Opening.....	36” x 34”
Frame Construction	Welded Steel with ½” to 1” Thick Abrasion Resistant Steel Liner Plates
Heavy Duty Frame with Vibration Isolation	(6) Mechanical Spring Isolators

Drive Componentry

Motor Size	(1) 15 hp
Solid Steel Shaft Diameter	2.5”
Number of Hammers	16
Hammer Type.....	Heavy Duty Flailing Arm of Through Hardened Steel
Bearing Size	2.5” Heavy Duty

Safety and Maintenance Features

Protective Guards	Cover Input Drive Unit and Bearings
Access Door	Removable Panels for Hammer and Liner Maintenance

Electrical

Motor Voltage	230/460VAC, 60 HZ, 3 Phase
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The manufacturer reserves the right to change designs
and specifications without notice.



Andela

Hoppers

Surge Hopper

**Evenly Distributes
Material**

**Essential for Bulk
Loading**

Models:

AMSH86-18

AMSH86-24

Environmentally friendly

Reduces waste

*Provides cost effective remedy
for environmentally conscious
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- The Andela Metering Surge Hopper is designed to accept bulk loading of glass or other materials
- Holds 4 cubic yards, or up to 6 cubic yards with optional flared extensions (shown in picture)
- Reciprocating plate feeder meters the flow rate of material into the system
- Adjustable slide gate regulates whole, or mixed broken glass to desired throughput

- Simple to Operate & Maintain
- Easy Installation
- Reasonably Priced
- Heavy Duty Construction
- 18" or 24" wide Discharge
- Abrasion Resistant Materials on All Wear Surfaces

**ANDELA METERING SURGE HOPPER
MODEL AMSH86F-18
with flared sides**

MACHINE SPECIFICATIONS

Dimensions

Capacity..... 6 to 7 cubic yds.
Overall Length125”
Overall Width101”
Overall Height111”
Discharge Opening18” wide x Adjustable Height
Discharge Height40”

Drive Componentry

Motor Size(1) 3 hp
Direct Drive System Totally Enclosed Gear Reducer
.....Reciprocating Plate with Eccentric Drive

Electrical

Motor Voltage..... 230/460 VAC, 60 HZ, 3 Phase
(VAC and HZ provided to customer specifications)

Selected surfaces hardened for long wear and durability.

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and specifications without notice.



Andela

Trommel

Trommel Screener

30" & 48" diameters

6ft–15ft long

1.5 HP–7.5 HP

3 material separations

1 or 2 aggregate sizes

1 oversize / residual

Various Applications

Glass

Compost

Plastics

Rubber

Gravel

Mixed Material

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The Andela Trommel Screen Separator is designed to separate and size aggregate using woven wire mesh or perforated plate.

Our trommels feature direct drive systems flexibly mounted with totally enclosed gear reducers for long lasting performance.

Comes equipped with rotating brushes for cleaning the screens.

Customizable chutes build to customer specification.

- Simple to operate and maintain
- Easy Installation
- Reasonably priced
- Durable
- Totally enclosed with easy access doors
- Single frame construction

ANDELA TROMMEL SEPARATOR
MODEL ATROM-104

MACHINE SPECIFICATIONS

Screen Sizes

Screen Size2” screen opening or to specification
.....48” OD x 10’ long

Categories of Separation

2” minus – Unders (or to specification)
2” plus – Overs

Features

Overall LengthApprox. 16 ft
Overall WidthApprox. 6 ft
EnclosureComplete Sheet Metal Enclosure
.....Hinged Service Door for Screen & Brushes
Screen Barrel Diameter and Length 48” x 11ft
Screen TypeStainless Steel Woven Wire
Rotating Brushes(2) - 7” diameter
Maintenance FeaturesCentral lubrication Block, External Mount

Drive Componentry

Motor Size(1) 5 hp
Direct Drive System Totally Enclosed Gear Reducer
.....Flexible Mount

Electrical

Motor Voltage 230/460 VAC, 60 HZ, 3 Phase

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and specifications without notice.



Andela

Conveyors

Belt Width Options:
18", 24", 30" & 36"

Variable Lengths, Bed
Types, & Pans Available.

Stainless Steel Sections
for Crossbelt Magnets

Conveyor Types:
Slider Bed
Troughing Roll

Belt Tread Type:
Cleated belt
Smooth belt
Chevron belt



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- Andela Conveyors are available in various sizes and configurations to fit any application
- Remote grease fittings and lines extend to base of conveyor for ease of maintenance

- **Increases Production**
- **Less Handling of Material**
- **Heavy Duty Construction**

ANDELA SYSTEM CONVEYORS
MACHINE SPECIFICATIONS

Heavy Duty – Troughing

Overall Length/Width	According to Quotation
Drive System	3-phase motor and gear reducer, direct drive
Conveyor Body	10” x 3/16” formed steel channels
Carry Surface:	Troughing Roller
Belt	Smooth, chevron or cleared rubber belt
Head Pulley	10” head pulley
Tail Pulley	10” self cleaning tail pulley
Take Up	Adjustable Side Mounted bearings with 1 15/16” bore.
Returns	Return rolls with smooth and chevron belts Belly pans with wear resistant glides for cleated belt
Hopper/Sides/	Formed 10 gauge painted steel

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and specifications without notice.

Electrical Control Panel

Enclosures - Enclosures are rated per the environment and are NEMA 4 or better. All enclosures are supplied with an emergency stop.

Main Disconnect - The main disconnect is provided with fuses or a circuit breaker and has a “Lockout/Tagout” feature.

Motor Starters - The motor starters are IEC rated.

Branch Circuit Protectors - The Branch circuit protectors are provided with a circuit breaker and a motor overload as an integral part of the unit.

Push Buttons - All push buttons are Heavy Duty dust tight/water tight design.

Standards - Built to UL-508 Industrial Standards. Electrical schematics and parts lists are supplied with the unit when the whole system is shipped. Can be CE certified upon request.