



Screening and Processing



Drying System



Wood Yard



Conveying solutions in the cement industry



Maintenance and Service



Waste to Fuel



Waste to Flame



Waste to Electricity



Biomass Fuel Handling



Pneumatic Conveying

INDUSTRIAL PROJECT AND SERVICE

www.ispm-service.com





ISPM-Service is a portuguese company born in 2015 with an environmental and innovative concept, guided by values that encourage sustainable development in an industrialized Era, where the generation of energy from waste is not only a way to ensure the future of the planet, but also a mean to profit. ISPM is a flexible, enthusiastic, socially responsible organization and adaptable to the changes. Our business is characterized mainly for a joint effort with our business partners. Together we design, produce, and assemble equipment and turn-key projects in various areas. Our technical assistants are motivated and highly qualified professionals. Overcoming challenges and searching for the generation and implementation of technological, innovative, and out-of-the-box business solutions, are on our day-to-day basis and part of our longterm vision for **ISPM-Service**. We are a visionary company, we work today for tomorrow as the beginning of the future.

**THE FUTURE'S
SOLUTION
TODAY**

Paulo Teixeira

ISPM has been named Official Reseller Of:

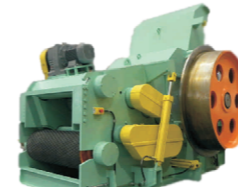
*BMH Technology in Portugal and France;
Jeffrey Rader, Stela and Aumund in Portugal;
Demuth in Portugal, Spain and France.*





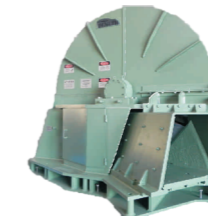
Wood Yard

Demuth Woodhandling stands at a traditional position on pulp segment. The reached position is due to quality and reliability applications at production, as well availability of a large production line



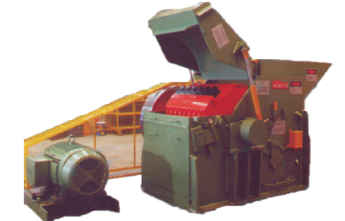
Drum Chipper (DPF)

Drum Chipper series present simple functional characteristics, allied to modern concepts and constructive details that increase efficiency and durability



Disc Chipper (DPD)

The DPD disc chipper is projected to process logs and sawmill wastes, generating high-quality chips for the pulp process or other purposes



Re-Chipper (DRPF)

Re-Chipper has, as a main characteristic, high versatility to process different material types with variable sizes, such as chips, screen overs, roots, bark, loose etc.



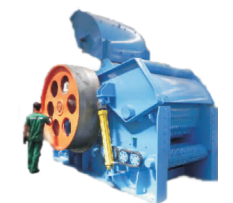
Roller Debarker (DDR)

Roller Debarker's frame is made of reinforced structural rolled steel, fully welded and designed for heavy duty work.



Oscillating Chip Screen (DPO)

Oscillating screen has an extremely sturdy construction and an easy maintenance concept. Manufactured in laminated profiles with square section and structural quality plane.



Vener Chipper / Bark Chipper (DPC)

The DPC drum chipper is a machine especially designed to process bark venner wastes, as well as wood residues, which are usually mixed in this kind of material.



Demuth Woodhandling



Demuth Machines started operations in 1981 and is nowadays consolidated on the international market. **DEMUTH** is a 100% Brazilian company and has the main industrial plant located in Portão/RS, as well two industrial units located in Novo Hamburgo/RS.

Industrial operations are made in own built plants that totalize more than 33.000 m². The plants are dimensioned to allow better product process optimization, while count on modern manufacturing machineries and facilities.

Among past the 30 years, **DEMUTH** gradually grow up based on important principals like technological innovations, reliability and respect.

DEMUTH Woodhandling Complete Product Line

- Wood Processing Yards
- Drum Chippers
- Storage Silos
- Rotors and Spare Parts
- Re-chippers
- Disc Chippers
- Conveyors
- Screens
- Debarkers

DEMUTH Máquinas Industriais Ltda, fundada em 1981, é uma empresa 100% brasileira consolidada no mercado Mundial com sua sede fabril localizada na cidade de Portão/RS, tendo ainda mais 02 filiais na cidade de Novo Hamburgo/RS.

A **DEMUTH** Máquinas tem uma planta industrial com mais de 33.000m² de área construída, dimensionada de forma a permitir a melhor otimização de processo que sua encomenda necessita, assistida por equipamentos modernos de fabricação.

Em 30 anos de atividades, a **DEMUTH** Máquinas Industriais cresceu alicerçada em fatores como inovação tecnológica, confiabilidade e respeito aos clientes.

Linha Completa de Produtos Demuth Woodhandling

- Pátios para Processar Madeira
- Picadores a Tambor
- Silos de Armazenagem
- Rotores e Peças
- Repicadores
- Picadores a Disco
- Transportadores
- Peneiras
- Descascadores

www.demuth.com.br

ALTRI - CELTEJO PROJECT



Disk Chipper DPDI 3800 / Picador DPDI 3800



Bark Chipper DPC / Picador de Cascas DPC



Chip Screen / Peneira Oscilatória



Disc Chipper DPDI 3800 at Demuth facilities / Picador a Disco DPDI 3800 nas instalações da Demuth

KLABIN PROJECT

Located in South of Brasil, the project consist in a biomass chipping line with infeed table, log conveyors, drum chipper and chip storage.



Localizado no Sul do Brasil, o projeto consiste em uma linha de picagem de biomassa, com mesa de alimentação, transportador de toras, picador a tambor e pilha de cavacos.



Chip Storage with desviation system / Pilha de Cavacos com desviador



Dum Chipper DPF 400/1000 / Picador a Tambor 400/1000



Master Feed Infeed Table / Mesa de Alimentação



Wood Wastes Chipping Line Table / Linha de Picagem de Resíduos

CENIBRA - OJI PAPER PROJECT

Located in Belo Oriente/ MG, the project consists in a chipping line with nominal capacity for 250m³ sub/h. Main line equipment are a Feeding Table (Master Feed), a DPDV 3000 disc chipper and a DPO 900 chip screen.



Localizado na cidade de Belo Oriente/MG o projeto é composto por uma linha de picagem para uma capacidade nominal de 250m³ sólidos/h. Com mesa "Master Feed", picador de disco DPVD 3000 e peneira classificatória DPO 900.



Demuth Disc Chipper / Picador a Disco Demuth



Log Conveyors / Transportador de Toras



Feeding Table (Master Feed) / Mesa de alimentação tipo "Master Feed"

NEVOPARK PROJECT



Compact Chipping Line / Linha de Picagem Compacta



Oscillating Screen / Peneira Oscilatória



Infeed Table / Mesa Dosadora

A modern and compact chipping line processes long and short logs, making easier the wood supply.

- Feeding and Dosing Table (V type)
- Log conveyors
- Disc chipper with horizontal feeding system and exclusive single-block frame
- Chip Screen
- Chip Conveyors

Uma linha de picagem moderna e compacta projetada para operar com toras curtas e longas que flexibiliza o fornecimento de madeira.

- Mesa receptora/dosadora tipo "V".
- Transportadores de toras.
- Picador de alimentação horizontal com exclusivo sistema monobloco.
- Peneira classificador de cavacos.
- Transportadores de cavacos.

KORINTINGA PROJECT

OJI PAPER



The Oji Paper Indonesia project is a plant to export woodchips. The Pangkalan Bun unit works with eucalyptus and acacia.

- Two disc chippers DPD 2800
- Log conveyors
- Chip screening DPO 600
- Re-Chipper

O projeto da Oji Paper Indonésia consiste em uma planta para exportação. A unidade da Pangkalan Bun trabalha com eucaliptos e acácia.

- Dois picadores DPD 2800
- Transportadores de toras.
- Peneira Classificatória DPO 600
- Repicador

OJI PAPER PROJECT - INDONESIA

PT KORINTINGA, It is company of Oji Paper located in Central Kalimantan, province of Indonesia in Borneo Island.

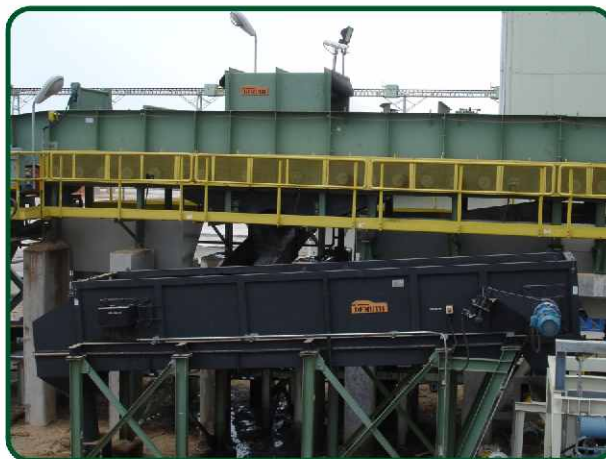


I N D O N E S I A

PT KORINTINGA é uma empresa da Oji Paper, localizada na província de Kalimantan Central na ilha de Bornéu, Indonésia.



Oscillating Screen DPO 600 / Peneira Oscilatória DPO 600



Log Conveyor and Water Treatment System
Transportadores de Toras e Sistema de Lavagem



Disc Chipper DPD 2800 / Picador a Disco 2800



Eucalyptus and Acacia Chips / Cavacos de Eucaliptos e Acácia



Equalizing Screw / Rosca Dosadora de Cavacos

PROJECT

GUAÍBA 2

A complete woodhandling installation with 1500m³ sub/h production level and chip storage of 130.000m³ loose.

- Three chipping lines with disc chippers DPDI 3800
- Chip screening station with 3 selecting screens for 3.000 m³ loose chip capacity, per working hour.
- Bark chipping station with 2 specific chippers to process eucalyptus bark (Model DPC 700/1000-5RT)
- 3 Master Feed - Infeed table.
- Belt conveyors (More than 2.500m long).

Produção de 1500m³ sub/hora, com capacidade de armazenagem de cavacos de 130.000m³ loose.

- Três linhas de picagem com picador a disco DPDI 3800.
- Estação de peneiramento com três peneiras para 3.000m³ loose de cavacos por hora.
- Estação de trituração de cascas com dois picadores específicos para picagem de casca de eucalipto (modelo DPC 700/1000-5RT).
- 3 Mesas dosadoras "Master Feed".
- 2.500m de transportadores de correia.

CMPC - GUAÍBA 2 PROJECT

CMP - Guaíba is a modern and updated pulp mill, located in Guaíba City in Rio Grande do Sul state.



O projeto Guaíba 2 - CMPC/RS é uma moderna fábrica de Celulose localizada no estado do Rio Grande do Sul na cidade de Guaíba/RS.



Demuth DPDI 3800 Disc Chipper / Picador a Disco DPDI 3800



3 Chipping Lines / 3 Linhas de Picagem



Guaíba 2 Project, CMPC mill in Guaíba - RS / Projeto Guaíba 2, fábrica da CMPC em Guaíba-RS

CMPC - GUAÍBA 2 PROJECT



Belt Conveyor Digester Feeding
Transportador de Alimentação da Caldeira



Bark Storage / Silo de Cascas



Chipper Building / Prédio dos Picadores



Discharge Disc Chipper / Saída dos Picadores



FMW Stacker Reclaimer

CMPC - GUAÍBA 2 PROJECT



CMPC - GUAÍBA 2 PROJECT



CMPC - GUAÍBA 2 PROJECT



Master Feed Table / Mesa Master Feed



Oscilating Screen - DPO / Peneira Oscilatória



Transfer Tower / Torre de Transferência



130.000 m³ | Stacker Reclaimer



Chipping lines acoustic isolation buildings / Prédios de isolamento acústico das linhas de picagem

PROJECT

HORIZONTE

A complete woodhandling installation with 975m³ sub/h production level and 93.000m³ loose chip storing capacity, as well a 25.000m³ biomass silo for fuel generation.

- Two chipping lines with drum debarkers
- Chip screening station with 2 selecting screens for 2.000 m³ loose chip capacity, per working hour.
- Bark chipping station with 2 specific chippers to process eucalyptus bark (Model DPC 700/1000-5RT)
- Master Feed - Infeed table.
- Belt conveyors (More than 2.500m long).

Produção de 975m³ sub/hora, com capacidade de armazenagem de cavacos de 93.000m³ loose e ainda um silo de 25.000m³ loose de biomassa para geração de energia da fábrica.

- Duas linhas de picagem com tambor descascador.
- Estação de peneiramento com duas peneiras para 2.000m³ loose de cavacos por hora.
- Estação de trituração de cascas com dois picadores específicos para picagem de casca de eucalipto (modelo DPC 700/1000-5RT).
- Mesa dosadora "Master Feed".
- 2.500m de transportadores de correia.

FIBRIA - HORIZONTE PROJECT

Fibra - Três Lagoas is a modern and updated pulp mill, located in Três Lagoas City in Mato Grosso do Sul state.



Horizonte Project, Fibria mill in Três Lagoas / MS.

Projeto Horizonte, fábrica da Fibria em Três Lagoas/MS.



O projeto Horizonte, hoje Fibria/MS é uma moderna fábrica de Celulose localizada no estado do Mato Grosso do Sul na cidade de Três Lagoas.



FIBRIA - HORIZONTE PROJECT



DEMUTH woodhandling comprises two chipping lines with drum debarkers, chip screening station (2 chip selecting screens with 1.000 m³/h capacity each), bark chipping station, storing and many conveyors (more than 2.500m long).

Opátio de madeira **DEMUTH** é composto por duas linhas de picagem com tambor descascador, estação de peneiramento com duas peneiras para 1.000 m³ de cavacos por hora, estação de picagem de casca, armazenagem e mais de 2.500m de transportadores.



FIBRIA - HORIZONTE PROJECT



Silo de armazenagem de 25.000m³ loose de biomassa.



Biomass silo for 25.000m³ loose storage capacity.



Innovating project conception that enables reaching great operating and maintenance cost reductions and extremely high chip accepting levels.

A concepção inovadora do projeto viabiliza grande redução de custos de operação e manutenção, além de um alto índice de aceitação de cavacos.

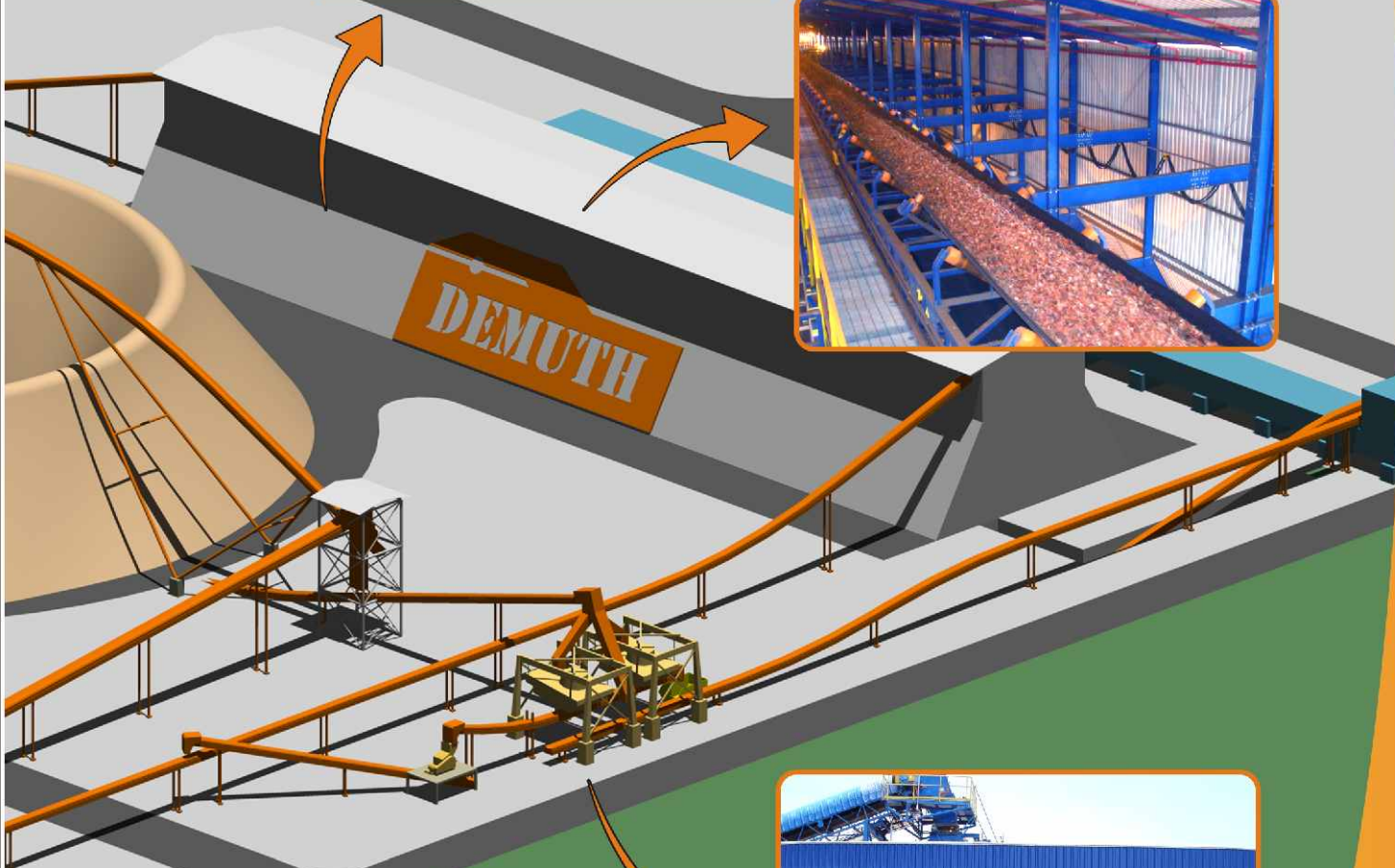
FIBRIA - HORIZONTE PROJECT



FIBRIA - HORIZONTE PROJECT



FIBRIA - HORIZONTE PROJECT



PROJECT

BAHIA SPECIALTY CELLULOSE



Two chipping lines, with 500m³ sub/h production capacity.

- Transporting conveyors (1.200m long)
- Up to 7m long log processing capacity
- Two DPDI 3000 disc chippers

Com capacidade de 500m³ sub/h de produção nas duas linhas de picagem

- 1.200 metros de transportadores
- Capacidade para processar toras de até 7m
- Dois Picadores DPDI 3000

BAHIA SPECIALTY CELLULOSE PROJECT

The modern **DEMUTH** woodhandling installed at Bahia Pulp mill is located at the Petrochemical pole in Camaçari / Ba.



Projeto Bahia Pulp, fábrica da Bahia Pulp Celulose em Camaçari/BA.

Bahia Pulp Project, Bahia Pulp Mill in Camaçari / Ba.



O moderno pátio de madeiras **DEMUTH** foi instalado na fábrica da Bahia Pulp situada no pólo petroquímico da cidade de Camaçari/BA.



BAHIA SPECIALTY CELLULOSE PROJECT



O pátio de madeiras **DEMUTH** possui duas mesas "Master Feed", dois picadores DPDI 3000 e duas peneiras DPO 800.

DEMUTH woodhandling contemplates two feeding tables (Master Feed - infeed tables), two DPDI 3000 disc chippers and two DPO 800 chip screens.



Chip conveyors at the chipping area / Transportadores de cavaco da área de picagem

BAHIA PULP PROJECT

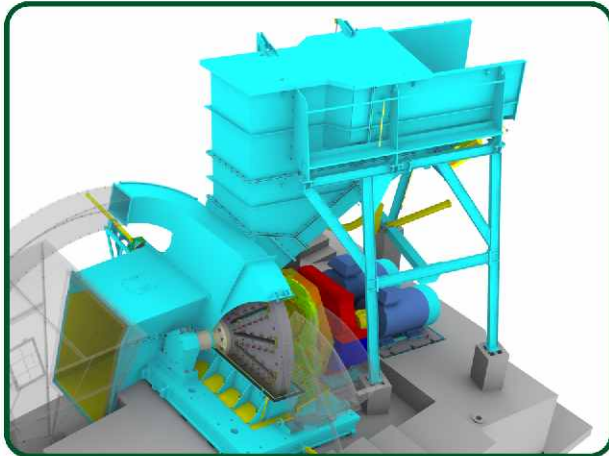


A obtenção de cavacos Premium da **DEMUTH**, garante alta qualidade e rendimento na fabricação de celulose solúvel.

D *EMUTH Premium chips guarantee high quality and better performance during soluble pulping process.*



DISC CHIPPER - DPDI



A modern and simple design provides a high availability rate, easy operation and maintenance. Chipper idealized to process long and short logs, with high flexibility to be adjusted to different chip dimensions. The chipped material outlet can be downwards, by gravity or backwards, onto a flow equalizing bin and screw or by a belt conveyor.

Projeto moderno e simples, proporcionando alto índice de disponibilidade, fácil operação e manutenção. Picador idealizado para o processamento de toras curtas e longas, tendo alta flexibilidade de ajustes para diferentes dimensões de cavacos. A saída de material picado pode ser inferior, por gravidade ou traseira, sob uma rosca equalizadora de fluxo ou transportador de correia.



Chips Quality - High Accepts Rate / Qualidade no cavacos - Alto índice de aceites

Demuth's DPDI chipper is distinguished by its new and original constructive form, focused on a better chips quality and uniformity. Projected to allow a high rate of accepted chips, has consequently the lowest loss percentage (significant reduction of fines and oversized rates) when compared to other machines available in the market.

O picador DEMUTH DPDI destaca-se por sua nova e original forma construtiva, tendo como foco a maior qualidade e uniformidade dos cavacos. Projetado para possibilitar um alto índice de aceites, tem como consequência os menores percentuais de perdas (redução significativa de finos e sobre tamanho) quando comparado com outras máquinas atualmente disponíveis.

ROLLER DEBARKER - DDR

DEMUTH Roller Debarker's frame is made of reinforced structural rolled steel, fully welded and designed for heavy duty work. The single-block and modulated assembling concepts allow the machine to reach a specific configuration for different production levels and process characteristics.

O Descascador por Rolos Demuth possui estrutura reforçada fabricada em aço estrutural, totalmente soldada e dimensionada para trabalho pesado. Seu conceito monobloco e montagem em módulos, permite rápida configuração para diferentes níveis de produção e características do processo.



- Efficient debarking / Descasque eficiente
- Easy maintenance / Fácil manutenção
- Modular configuration / Configuração modular
- Minimum wood losses / Mínima perda de madeira
- High performance / Alto desempenho com toras longas
- Special profiled roller / Rolos com perfis especiais



Demuth Woodhandling



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A **DEMUTH** Máquinas tem uma planta industrial com mais de 27.000m² de área construída, dimensionada de forma a permitir a melhor otimização de processo que sua encomenda necessita, assistida por equipamentos modernos de fabricação.

Em 30 anos de atividades, a **DEMUTH** Máquinas Industriais cresceu alicerçada em fatores como inovação tecnológica, confiabilidade e respeito aos clientes.

Linha Completa de Produtos Demuth Woodhandling

- Pátios para Processar Madeira
- Picadores a Disco
- Picadores a Tambor
- Transportadores
- Silos de Armazenagem
- Peneiras
- Rotores e Peças
- Descascadores
- Repicadores

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DEMUTH Woodhandling Complete Product Line

- Wood Processing Yards
- Disc Chippers
- Drum Chippers
- Conveyors
- Storage Silos
- Screens
- Rotors and Spare Parts
- Debarkers
- Re-chippers

www.demuthmachines.com

PROJECT

HORIZONTE

Produção de 975m³ sub/hora, com capacidade de armazenagem de cavacos de 93.000m³ loose e ainda um silo de 25.000m³ loose de biomassa para geração de energia da fábrica.

- Duas linhas de picagem com tambor descascador.
- Estação de peneiramento com duas peneiras para 2.000m³ loose de cavacos por hora.
- Estação de trituração de cascas com dois picadores específicos para picagem de casca de eucalipto (modelo DPC 700/1000-5RT).
- Mesa dosadora "Master Feed".
- 2.500m de transportadores de correia.

A complete woodhandling installation with 975m³ sub/h production level and 93.000m³ loose chip storing capacity, as well a 25.000m³ biomass silo for fuel generation.

- Two chipping lines with drum debarkers
- Chip screening station with 2 selecting screens for 2.000 m3 loose chip capacity, per working hour.
- Bark chipping station with 2 specific chippers to process eucalyptus bark (Model DPC 700/1000-5RT)
- Master Feed - Infeed table.
- Belt conveyors (More than 2.500m long).

HORIZONTE PROJECT

O projeto Horizonte, hoje Fibria/MS é uma moderna fábrica de Celulose localizada no estado do Mato Grosso do Sul na cidade de Três Lagoas.



Projeto Horizonte, fábrica da Fibria em Três Lagoas/MS.

Horizonte Project, Fibria mill in Três Lagoas/MS.



Fibria - Três Lagoas is a modern and updated pulp mill, located in Três Lagoas City in Mato Grosso do Sul state.



HORIZONTE PROJECT



O pátio de madeira **DEMUTH** é composto por duas linhas de picagem com tambor descascador, estação de peneiramento com duas peneiras para 1.000 m³ de cavacos por hora, estação de picagem de casca, armazenagem e mais de 2.500m de transportadores.

DEMUTH woodhandling comprises two chipping lines with drum debarkers, chip screening station (2 chip selecting screens with 1.000 m³/h capacity each), bark chipping station, storing and many conveyors (more than 2.500m long).



HORIZONTE PROJECT



Silo de armazenagem de 25.000m³ loose de biomassa.



Biomass silo for 25.000m³ loose storage capacity.



A concepção inovadora do projeto viabiliza grande redução de custos de operação e manutenção, além de um alto índice de aceites de cavacos.

Innovating project conception that enables reaching great operating and maintenance cost reductions and extremely high chip accepting levels.

HORIZONTE PROJECT



HORIZONTE PROJECT - Fibria/MS



HORIZONTE PROJECT - Fibria/MS



PROJECT

BAHIA PULP

Com capacidade de 500m³ sub/h de produção nas duas linhas de picagem

- 1.200 metros de transportadores
- Capacidade para processar toras de até 7m
- Dois Picadores DPDI 3000

Two chipping lines, with 500m³ sub/h production capacity.

- Transporting conveyors (1.200m long)
- Up to 7m long log processing capacity
- Two DPDI 3000 disc chippers

BAHIA PULP PROJECT

O moderno pátio de madeiras **DEMUTH** foi instalado na fábrica da Bahia Pulp situada no pólo petroquímico da cidade de Camaçari/BA.



Projeto Bahia Pulp, fábrica da Bahia Pulp Celulose em Camaçari/BA.

Bahia Pulp Project, Bahia Pulp Mill in Camaçari / Ba.



The modern **DEMUTH** woodhandling installed at Bahia Pulp mill is located at the Petrochemical pole in Camaçari / Ba.



BAHIA PULP PROJECT



O pátio de madeiras **DEMUTH** possui duas mesas "Master Feed", dois picadores DPDI 3000 e duas peneiras DPO 800.

DEMUTH woodhandling contemplates two feeding tables (Master Feed - infeed tables), two DPDI 3000 disc chippers and two DPO 800 chip screens.



Transportadores de cavaco da área de picagem.

Chip conveyors at the chipping area.

BAHIA PULP PROJECT



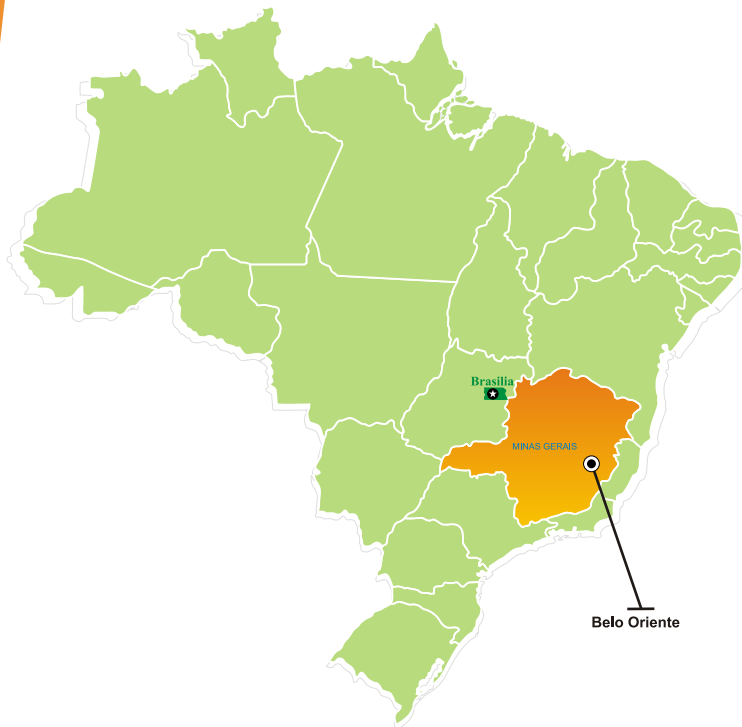
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CENIBRA PROJECT

Localizado na cidade de Belo Oriente/MG o projeto é composto por uma linha de picagem para uma capacidade nominal de 250m³ sólidos/h. Com mesa "Master Feed", picador de disco DPVD 3000 e peneira classificatória DPO 900.



Projeto Cenibra, fábrica de Celulose em Belo Oriente/MG.

Cenibra Project, Belo Oriente / MG pulp mill.



Located in Belo Oriente/ MG, the project consists in a chipping line with nominal capacity for 250m³ sub/h. Main line equipment are a Feeding Table (Master Feed), a DPVD 3000 disc chipper and a DPO 900 chip screen.



Mesa de alimentação tipo "Master Feed"

Feeding Table (Master Feed)

NEVOPARK PROJECT - Uruguai



Uma linha de picagem moderna e compacta projetada para operar com toras curtas e longas que flexibiliza o fornecimento de madeira.

- Mesa receptora/dosadora tipo "V".
- Transportadores de toras.
- Picador de alimentação horizontal com exclusivo sistema monobloco.
- Peneira classificador de cavacos.
- Transportadores de cavacos.



A modern and compact chipping line processes long and short logs, making easier the wood supply.

- Feeding and Dosing Table (V type)
- Log conveyors
- Disc chipper with horizontal feeding system and exclusive single-block frame
- Chip Screen
- Chip Conveyors



DEMUTH

Woodhandling



DRUM CHIPPER

DPF

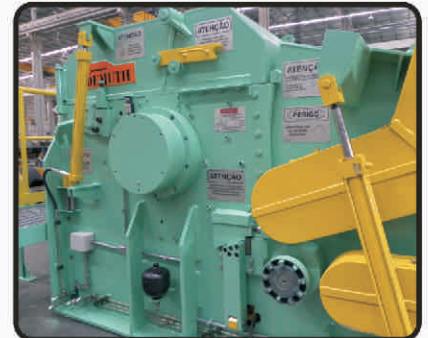
DEMUTH DPF Drum Chipper series present simple functional characteristics, allied to modern concepts and constructive details that increase efficiency and durability. Initially developed to process softwood, the DPF was re-engineered to process also tropical wood. Experience has proven that DPF chippers have long durability, good versatility and low maintenance level.



SAFETY

Several items guarantee equipment safe operation.

- Mechanical and electrical locking device for hoods, rotor and counter-knife;
- Electrical switches to avoid involuntary machine starting;
- Anti-dive hydraulic valves to block any oil flow and hydraulic movement due to hose or pipe leakage or breakage;
- Warning signs.



TECHNICAL SPECIFICATIONS

DPF MODEL	PRODUCTION*		POWER**		INFEED SECTION HxW		ROTOR DIAMETER		APPROXIMATE WEIGHT	
	T/h	Cord/h	kW	HP	mm	ft	mm	Inch	kg	lbs
150/400/2RT	7	2	60	82	150 x 400	0,50 x 1,31	500	20"	2150	4700
190/400/3RT	13	4	90	122	190 x 400	0,62 x 1,31	600	24"	4200	9200
190/600/3RT	18	6	130	176	190 x 600	0,62 x 2,00	600	24"	5300	11700
290/600/3RT	35	12	260	350	290 x 600	0,95 x 2,00	800	32"	8700	19200
340/600/5RT	40	14	370	500	340 x 600	1,12 x 2,00	1.000	40"	11100	24500
400/800/7RT	60	20	730	990	400 x 800	1,31 x 2,62	1.200	48"	16100	35500
400/1000/7RT	80	28	730	990	400 x 1000	1,31 x 3,28	1.200	48"	18700	42000
500/1000/9RT	105	36	1100	1500	500 x 1000	1,64 x 3,28	1.500	60"	25700	56700
700/1000/13RT	150	52	1400	1900	700 x 1000	2,30 x 3,28	2.200	86"	44800	98800
900/1000/19RT	199	68	1500	2000	900 x 1000	2,95 x 3,28	2.600	102"	58700	130000

* Production calculated based on wood with 40% humidity, humid weight of 800 kg/m³ and 25/30 mm long chips.

** Installed power is directly related to the desired production.

The DPD disc chipper is projected to process logs and sawmill wastes, generating high-quality chips for the pulp process or other purposes.

A modern and simple design provides a high availability rate, easy operation and maintenance. The single block frame structure provides great stability to the chipping unit, being important and decisive fact for the high-quality chips production.

The chipped material outlet is on the bottom by gravity (extracted by belt, worm screw or pneumatic) or by blowing at the upper part.



TECHNICAL SPECIFICATIONS

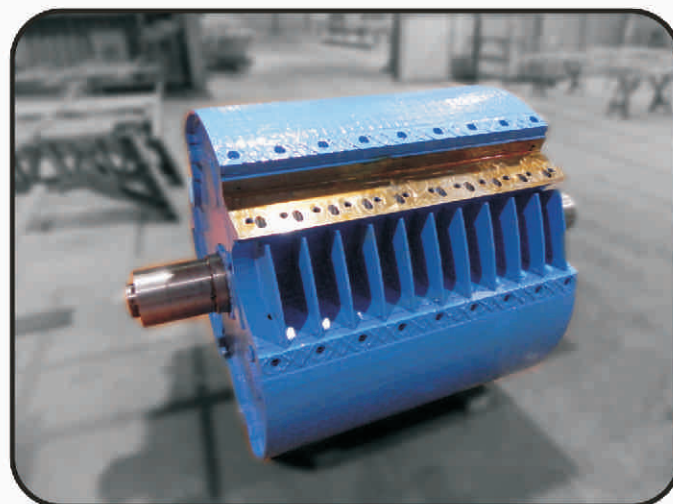
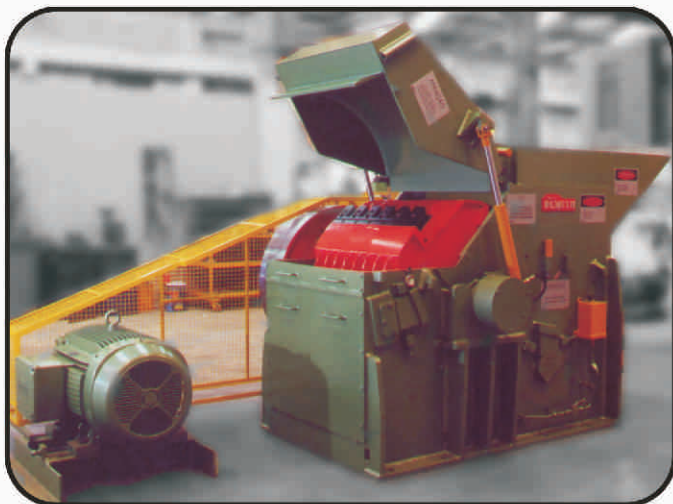
DPD MODEL	PRODUCTION*		POWER**		INFEED SECTION HxW		ROTOR DIAMETER		RPM	APROXIMATE WEIGHT	
	T/h	Cord/h	kW	HP	mm	ft	mm	Inch		kg	lbs
1300 / 52"	30	16	180	240	280x330	0,90x1,10	1300	52"	700	3500	7700
1600 / 64"	60	31	370	500	350x400	1,15x1,31	1550	64"	550	6000	13200
2200 / 86"	100	52	600	820	550x600	1,80x2,00	2200	86"	410	13000	28600
2400 / 96"	150	80	1100	1500	680x800	2,20x2,62	2400	96"	375	18000	39600
2800 / 110"	250	130	1500	2000	800x950	2,62x3,10	2800	110"	320	25000	55000
3000 / 118"	300	157	2500	3400	850x1050	2,80x3,40	3000	118"	300	35000	77000
3400 / 134"	325	170	2500	3400	1030x1180	3,38x3,87	3400	134"	268	50000	110000
3800 / 150"	430	224	2500	3400	1180x1340	3,87x4,40	3800	150"	268	60000	132000

* Production calculated based on wood with 40% humidity, humid weight of 800 kg/m³ and nominal length of 24 mm (1") chips.

** Installed power is directly related to the desired production.

Demuth re-chipper has, as a main characteristic, high versatility to process different material types with variable sizes, such as chips, screen overs, roots, branches, bark, loose industrial waste and synthetic materials like fabric, leather, rubber and plastics, transforming them into uniform and easy to handle material.

The re-chipper is optionally equipped with multi-knife rotor or hammers, to process material difficult to fragment, such as pallets with nails, wood or synthetic wastes, tires, plastics and others.



Disc Rechipper Model - Also available

TECHNICAL SPECIFICATIONS

DRPF MODEL	PRODUCTION*		POWER**		IN-FEED SECTION		CHIPS LENGHT***		KNIVES	ROTOR DIAMETER	
	T/h	Cord/h	kW	HP	mm	ft	mm	Inch		mm	Inch
150/300	0,4-1	0,2-0,5	5,5-11	7,4-15	300x50	0,50x1,00	5-10	1/4"-3/8"	2 - 4	400	16"
200/400	2-10	1-5	15-37	20-50	400x200	0,65x1,31	10-30	3/8"-1.1/4"	2 - 4	600	24"
400/600	8-14	4-7	30-75	40-100	600x400	1,31x2,00	10-30	3/8"-1.1/4"	2 - 4	800	32"
400/800	12-25	6-13	45-110	60-147.5	800x400	1,31x2,62	10-30	3/8"-1.1/4"	2 - 4	800	32"
800/800	20-40	10-20	75-370	100,5-495	800x800	1,31x2,62	10-30	3/8"-1.1/4"	2 - 6	1200	48"
800/1200	30-60	15-30	150-600	200-800	800x1200	2,62x3,90	10-30	3/8"-1.1/4"	2 - 6	1200	48"

* Production calculated based on wood with 40% humidity, humid weight of 800 kg/m³ and 25/30 mm (1" / 1.1/4") long chips.

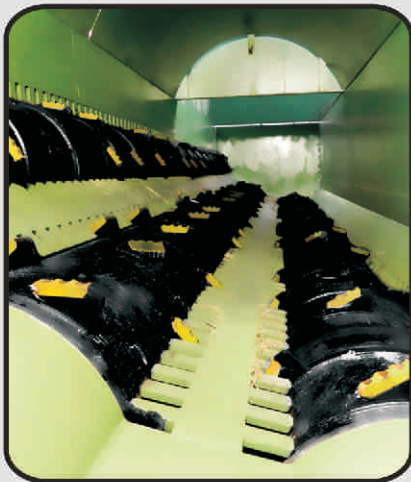
** Installed power is directly related to the desired production.

*** Chip lenght may change according to necessity and is related to the machine performance.

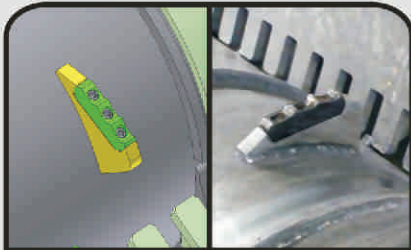
ROLLER DEBARKER DDR



Direct feeding



Special profiled rollers



High performance interchangeable abraders



Independent rotor driving



Each debarking module is built with three rollers, made of sturdy industrial tubes, with heavy duty shafts and special over dimensioned house bearings. The rollers are provided with replaceable abraders, made of high wearing resistance material.



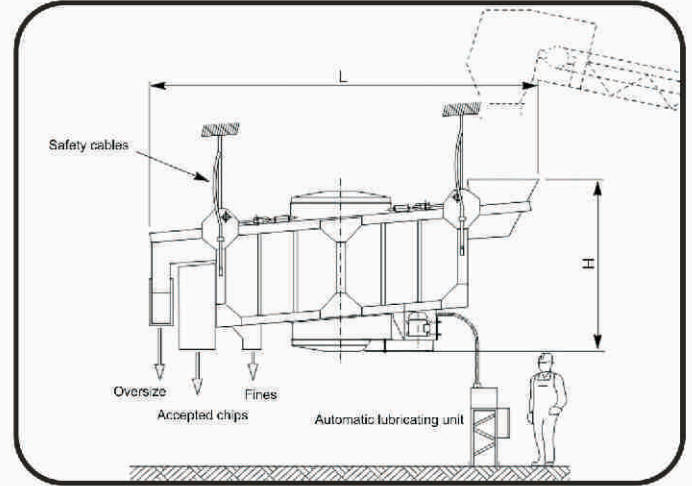
Debarking is done through the friction between processing logs, as well the abraders' action, which takes the bark off the logs and forwards the material along the debarker.

- Efficient debarking
- Easy maintenance
- Modular configuration

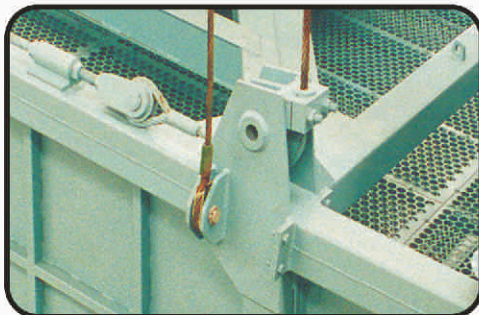
- Minimum wood losses
- High performance
- Special profiled roller

OSCILLATING CHIP SCREEN DPO

Demuth oscillating screen has an extremely sturdy construction and an easy maintenance concept. Manufactured in laminated profiles with square section and structural quality plate, features welded diagonal crossbars that provide an excellent stability. Maintenance and cleaning services are made by the front opening covers, which also allow a fast mesh change. An eccentric adjustable weight system installed on a vertical shaft at the screen center guarantees its exact oscillation which, combined with different revolution, frequency and amplitude, may adapt to any chip type.



SAFETY



Suspended by steel cables (plus auxiliary safety cables), the screening is performed in an efficient, silent and precise way.

CHIP RECEPTION



Processed chips from disc chipper are thrown onto the first screen deck through a discharging chute.

TECHNICAL SPECIFICATIONS

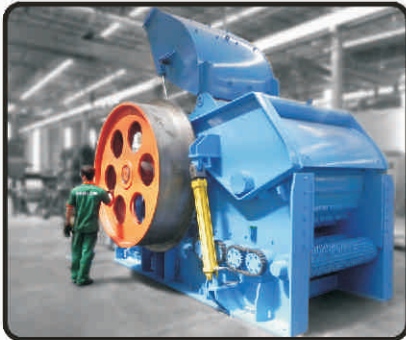
DPO MODEL	CAPACITY		SELECTING DECKS	SCREENING AREA		POWER		APPROXIMATE WEIGHT		DIMENSIONS (LxWxH) (mm / ft)
	m ³ loose/h	Unit/h*		m ²	ft ²	kW	HP	kg	lbs	
100	100	18	3	6,25	67	7,5	10	3500	7700	3700 x 2500 x 1900 mm 12,14 x 8,2 x 6,23 ft
200	200	35	4	12	129	9,2	12	6000	13200	5000 x 3300 x 2300 mm 16,4 x 10,8 x 7,56 ft
400	400	70	4	17	183	11	15	13000	28600	6300 x 4100 x 2900 mm 20,7 x 13,45 x 9,5 ft
600	600	106	4	29	312	15	20	18000	39600	7100 x 4800 x 3200 mm 23,3 x 15,75 x 10,5 ft
800	800	141	4	38	409	22	30	25000	55000	8100 x 5500 x 3600 mm 26,6 x 18 x 11,8 ft
1000	1000	177	4	45	484	22	30	35000	77000	9100 x 5800 x 3600 mm 29,9 x 19 x 11,8 ft

*Unit = 200 ft³ loose chips

The DPC drum chipper is a machine especially designed to process bark venner wastes, as well as wood residues, which are usually mixed in this kind of material.

The machine mainly differs in its innovative characteristics of construction, allowing the absorption and chipping of very irregular volume of material at high rates of efficiency and productivity.

The equipment does not offer any obstacle to the infeed of the material to be processed, guaranteeing a continuous operation and a complete directed feed of the material to the shredding process.



FEATURING



High impact security system

- Great durability
- Exclusive feeding system with a variable height infeed section, allowing great volume absorption.
- Anti-wear protection in high wear areas - guaranteeing longer durability.
- Knife and counter-knife system designed to allow fast changes, avoiding need for adjustments.
- High impact security system.



It process several bark species such as: eucalyptus, pine, black wattle, acacia, laminating wastes and compactig materials.



Material to be processed



Veneer wastes



Processed material

TECHNICAL SPECIFICATIONS

DPC MODEL	PRODUCTION*		POWER**		INFEED SECTION HxW		MAXIMUM LOG DIAMETER		CHIPS LENGHT ***		KNIVES QUANTITY	ROTOR'S DIAMETER		WEIGHT	
	t/h	Cord/h	kW	HP	mm	ft	mm	Inch	mm	Inch		mm	Inch	kg	lbs
400/600/3RT	Up to 14	Up to 7	37-110	50-147,5	400 x 600	13,1 x 2,00	200	8"	10-70	3/8"-2.3/4"	2-4	700	28"	6000	13250
500/800/4RT	14-20	7-10	110-184	147,5-247	500 x 1350	1,64 x 2,62	300	12"	10-100	3/8"-4"	2-4	1000	39"	9500	21000
700/1000/5RT	20-60	10-30	185-515	248-690	800 x 1300	2,30 x 3,28	400	16"	10-100	3/8"-4"	2-5	1200	48"	15000	33100
700/1350/5RT	27-80	14-40	185-515	248-690	800 x 1300	2,30 x 4,40	400	16"	10-100	3/8"-4"	2-5	1200	48"	15000	33100
800/1300/6RT	60-110	30-57	515-882	690-1180	1200 x 1350	2,62 x 4,30	500	20"	10-100	3/8"-4"	2-6	1600	63"	24500	54000
1000/1700/6RT	110-200	57-104	809-1470	1085-1970	1000 x 1700	3,28 x 5,60	600	24"	10-100	3/8"-4"	2-6	2000	79"	38500	85000
1200/1350/6RT	110-200	57-104	809-1470	1085-1970	1200 x 1350	3,90 x 4,40	700	28"	10-100	3/8"-4"	2-6	2000	79"	30500	67300

* Production calculated based humid material, with an apparent density of 300 kg/m³ and chip length of 30 mm.

** The recommended power is directly proportional to be desired production.

*** Chip lenght can vary according to necessity, resulting in a change of efficiency.

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