

Auszug aus FMW Refrenzen      Extract of FMW references

**BRENNSTOFF AUFBEREITUNGS ANLAGEN**  
**FUEL HANDLING SYSTEMS**



Kunde	Land	Prozess	Komponenten	Förderleitung	Komponenten	Grösse	Kessel	Brennstoff	IBN		
Client	Country	Process	Components	Capacities	Components	size	Boiler	Fuel	Start-up		
<b>AREVA / ENECO Delzijl Power Plant</b>	DE	Energy Supplier (Power Plant)	Truck Unloading Station	2x500 m3/h	2xKZB	4,5x21 m	Metso	135 MWth	Waste Wood	<b>2012</b>	
			Stone Removal		2x						
			Ferro-Metal Removal		2x						
			Screening	2x500 m3/h	2xSR						
			Crushing	2x100 m3/h	2xRHC						
			Dedusting System	32.000 m3	EA						
			Storage Feeding Line	2x500 m3/h	2xBW-1200						
			Fuel Storage	17.000 m3	2xRWS-3	8500 m3					
			Boiler Feeding Line	2x220 m3/h	2xLGF800	200 m					
<b>CONDIX SA ELEKTROWNI PAŃNÓW- ADAMÓW- KONIN (ZEPAK)</b>	PL	Energy Supplier (Power Plant)	Truck Unloading Station Forest 1	2x610 m3/h	KZB	4,5x21 m	Foster	154MWth	Forest Chips	<b>2012</b>	
			Truck Unloading Station Agro	400 m3/h	KZB	4,5x21 m	Wheeler		Agro Biomass		
			Stone Removal		3x	4,5x21 m					
			Ferro Metal Removal		3x						
			Non Ferro Metal Removal		2x						
			Screening Forest 1 & 2	2x610 m3/h	SR						
			Screening Agro	400							
			Crushing	3x70 m3/h	RHC						
			Dedusting System	72.000 m3/h	EA						
			Storage Feeding Line Forest	2x610 m3/h	TKF-1200	82 m					
			Storage Feeding Line Agro	2x400 m3/h	TKF-1100	60 m					
			Storage Forest Wood 1,2,3	24.000 m3	RWS-3	8.000 m <sup>3</sup>					
			Storage Agro 1	6.000 m3	RWS-2	6.000 m <sup>3</sup>					
			Storage Agro 2,3,4,5	4.000 m3	RWS-1	1.000 m <sup>3</sup>					
			Boiler Feeding line 1	400 m3	2xLGF800	250 m					
			Boiler Feeding line 2	400 m3	2xLGF650	250 m					
<b>SAICA El Burgo de Ebro</b>	Spain	Paper Mill	Reject Storage	77 m3/h	LWS	3.765 m <sup>3</sup>	Metso	150MWth	Reject from DIP	<b>2011</b>	
			Sludge Storage	58 m3/h	LWS	3.765 m <sup>3</sup>			Sludge from DIP		
			Spare Reclaimer	58-77 m3/h	LWS						
<b>ZEW Kogeneracja S.A. Czechnica</b>	PL	Energy Supplier (Power Plant)	Truck Unloading Station	300 m3/h	SSF	7,5x15 m	Metso	80MWth	Forest Chips	<b>2010</b>	
			Stone Removal		1x				Sorghum		
			Ferro Removal		MS						Corn chips
			Screening	300 m3/h	SR						Waste paper
			Crushing	22 m3/h	HM						
			Dedusting System	12.000 m3/h	EA						
			Storage Feeding Line	300 m3/h	TKF-1000	40 m					
			Storage Forest		RWS	3.000 m <sup>3</sup>					
			Storage Agro		RWS-2	3.000 m <sup>3</sup>					
			Boiler Feeding line	180 m3	4xLGF650	490 m					

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<b>Stora Enso Maxau Mill</b>	DE	Paper Mill	Truck Unloading Station Wood	600 m3/h	KZB	4,5x21 m	AEE 170MWth	Forest Chips	<b>2009</b>
			Truck Unloading Station PDF	200 m3/h	WF	3x15 m		Wood Bark	
			Truck Unloading Station Coal	150 m3/h	SSF	3x7 m		Waste Wood	
			Stone Removal		2x			Black Coal	
			Ferro Removal		2x			PDF	
			Screening Wood	600 m3/h	SR			Fiber Sludge	
			Screening PDF	200 m3/h	SR			Bio Sludge	
			Crushing Coal	50 m3/h	HM				
			Crushing Wood	170 m3/h	RHC				
			Silo Feeding Line Wood	600 m3/h	BW-1200				
			Silo Feeding Line PDF	200 m3/h	BW-800				
			Silo Feeding Line Coal	50 m3/h	BW-500				
			Storage Wood		RWS-3	5.000 m <sup>3</sup>			
			Storage PDF		RWS-3	5.000 m <sup>3</sup>			
			Storage Coal		RWS-3	4.000 m <sup>3</sup>			
			Boiler Feeding Line Coal	50 m3/h	MGF	180 m			
			Boiler Feeding Line Wood	200 m3/h	MGF	120 m			
			Boiler Feeding Line PDF	100 m3/h	MGF	110 m			
			Boiler Feeding Line Sludge	50 m3/h	MGF	200 m			
<b>Mondi Packaging Stambolijski EAD</b>	BG	Pulp & Papermill	Truck Unloading Station	100 m3/h	SSF	3x8 m	HSE 35MWth	Wood Bark	<b>2008</b>
			Ferro Removing					Waste wood	
			Fuel Crushing	125 m3/h	RHC			Fiber Sludge	
			Fuel Storage		OP	11.000 m <sup>3</sup>		Bio Sludge	
			Boiler Feeding Line	100 m3/h	MGF	500 m			
<b>HS Energie GmbH Mondi Stambolijski</b>	BG	Pulp & Papermill	Boiler internal Fuel Silo		DS	100 m <sup>3</sup>	HSE 35MWth	Wood Bark	<b>2008</b>
			Screw Conveyors	100 m3/h	SC			Waste wood Fiber Sludge	
<b>HS Energie GmbH Funder Max</b>	AT	Panel Board Mill	Boiler internal Fuel Silo		DS	2x40 m <sup>3</sup>	HSE 35MWth	Wood Bark	<b>2007</b>
			Screw Conveyors	80 m3/h	SC			Waste wood	
<b>Svilosa AD</b>	BG	Pulpmill	Bark Crushing	50 m3/h	HM		existing Boiler	Wood Bark	<b>2006</b>
			Ferro Removing		1x				
			Boiler Feeding Line	50 m3/h	MGF	30 m			

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<b>Austrian Energy Bischofferode</b>	DE	Energy Supplier (Power Plant)	Wood Log Receiving	80 to/h	KF	10x3 m	AEE 55MWth	Harwood Logs Softwood logs	<b>2005</b>
			Log Singeling Unit	80 to/h	VKF	10x12 m			
			Cipper Feeding Line	80 to/h	HGF				
			Log Chipper	80 to/h	DC	dia. 2 m			
			Ferro Removing		1x				
			Screening	400 m3/h	SR				
			Boiler Feeding Line	400 m3/h	TKF-1400	55 m			
<b>M-Real Hallein</b>	AT	Pulp & Papermill	Boiler internal Fuel Silo Biomass	700 m3	SSF	8x12 m <sup>3</sup>		Harwood Logs Softwood logs Fiber Sludge Bio Sludge	<b>2005</b>
			Boiler internal Fuel Silo Biomass	700 m3	SSF	8x12 m <sup>3</sup>			
			Boiler internal Fuel Silo Biomass	700 m3	SSF	8x12 m <sup>3</sup>			
			Boiler internal Fuel Silo Sludge		RWS-1	300 m <sup>3</sup>			
			Boiler Feeding line	800 m3	5xLGF	850 m			
			Cipper Feeding Line	140 to/h	HGF	25 m			
			Log Chipper	140 to/h	DC	dia. 2,6 m			
			Storage Feeding Line	400 m3/h	TKF-1200	45 m			
			Fuel Storage		OP	15.000 m <sup>3</sup>			
			Fuel Reclaiming Station	800 m3/h	SSF	3x10 m			
			Chip Reclaiming Station	800 m3/h	SSF	3x10 m			
Emergency Reclaiming Station	80 m3/h	SSF	3x10 m						
<b>Energie AG Timelkam</b>	AT	Energy Supplier (Power Plant)	Truck Unloading Station Wood	250 m3/h	KZB	4,5x21 m	AEE 50MWth	Wood chips Wood Bark Waste wood Saw Dust	<b>2005</b>
			Truck Unloading Station Bark	200 m3/h	KZB	4,5x21 m			
			Stone Removal		2x				
			Ferro Removal		2x				
			Screening Wood	250 m3/h	SR				
			Screening Bark	200 m3/h	SR				
			Crushing Wood & Bark	170 m3/h	RHC				
			Dedusting System	30.000 m3/h	EA				
			Storage Feeding Line	400 m3/h	TKF-1200	45 m			
			Storage Wood Chips		RWS-3	5.000 m <sup>3</sup>			
			Storage Waste Wood		RWS-3	5.000 m <sup>3</sup>			
			Storage Bark		LWS	6.000 m <sup>3</sup>			
			Boiler Feeding Line	150 m3/h	MGF	300 m			
<b>Lenzing AG</b>	AT	Pulp & Papermill	Stone Removal		1x			Harwood Bark	<b>2005</b>

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<b>Lenzing</b>			Screening Wood Transport Conveyors	100 m3/h 100 m3/h	SR MGF	50 m			
<b>SCA Laakirchen</b>	AT	Papermill	Transport Conveyors Fuel Storage	100 m3/h	MGF OP	50 m 500 m <sup>3</sup>		Softwood Bark	<b>2004</b>
<b>Mondi Ruzomberok</b>	SK	Pulp & Papermill	Transport Conveyors	100 m3/h	MGF	250m m	Metso	Softwood Bark Harwood Bark	<b>2003</b>
<b>Tessag KSH PEP Swiecie</b>	PL	Energy Supplier (Power Plant)	Transport Conveyors Open Pile Storage Open Pile Storage Ferro Removal Screening Bark Crushing Wood & Bark Boiler Feeding Line	250 m3/h 250 m3/h 250 m3/h 250 m3/h 250 m3/h 250 m3/h	MGF RWS-3 RWS-3 1x SR RHC MGF	150m m 1.000 m <sup>3</sup> 1.000 m <sup>3</sup> 300 m	AEE	Wood Bark Waste wood Saw Dust	<b>2003</b>
<b>Norske Skog Parenco</b>		Papermill	Boiler internal Fuel Silo Reject Boiler internal Fuel Silo Sludge Transport Conveyors Crushing Reject & Bark Non Ferro & Ferro Removal	80 m3/h 80 m3/h 80 m3 80 m3/h 80 m3/h	RWS RWS 3xLGF RHC	200 m <sup>3</sup> 150 m <sup>3</sup> 220 m	Metso	Reject from DIP Sludge from DIP	<b>2000</b>
<b>HISTORIC REFERENCES</b>									
<b>International Paper Kwidzyn</b>	PL								<b>2000</b>

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<i>Client</i>	<i>Country</i>	<i>Process</i>	<i>Components</i>	<i>Capacities</i>	<i>Components</i>	<i>size</i>	<i>Boiler</i>	<i>Fuel</i>	<i>Start-up</i>
SSF		Schubstangenförderer / Stocker Conveyor				FMW Product			
KZB		Kettenzugboden / Chain Receiving conveyor				FMW Product			
WF		Zugboden / Walking Floor				Purchased Equipment			
SR		Scheibensichter / Disc Screen							
RHC		Rotorcrusher / Rotor Hog Crusher				Purchased Equipment			
HM		Hammermühle / Hammer Mill				Purchased Equipment			
DC		Drum Chipper				Purchased Equipment			
EA		Entstaubungsanlage / Dedusting Filter System				Purchased Equipment			
RS									
RWS		Silo Rundwanderschnecke / Silo Discharging Screw				FMW Product			
LWS		A-Lager mit Längswanderschnecke /				FMW Product			
QP		Freilager / Open Pile				FMW Product			
DS		Tagessilo im Kesselhaus / Daily Fuel silo System				FMW Product			
BW		Becherwerk / vertikal Bucket Elevator				FMW Product			
MGF		Muldengurtförderer / Trough Belt Conveyor				FMW Product			
LGF		Luftgurtförderer / Air Supported Belt Conveyor				FMW Product			
TKF		Trogkettenförderer / Trough Chain Conveyor							
SF		Schneckenförderer / Screw Conveyors				FMW Product			
HGF		Gurtförderer / Belt Conveyor				FMW Product			
KF		Kettenförderer / Chain Conveyor				FMW Product			
VKF		Vereinzelungskettenförderer / Singeling conveyor				FMW Product			