

NO.1 bar mill the main specification of equipments

A. Reheating Furnace:(Main equipments)

Title	Main specification	Weight(Kg)	Photo
F u r n a c e	1. Maker:Krosaki 2. Control system:YAMATAKE 3. Installed:2006 4. Walking type 5. Billet size(mm):□130~200 6. Billet length(M): . one row:10~12 . 2 row:5.5~6.0 4. Capacity(T/Hr): Cold charge:65(MAX. 72) Hot charge:MAX. 85 5. Fuel:Low S heavy oil 6. Product:Rebar、Round bar 、Flat bar 7. Discharging Temp. :1050~1150℃ 8. $\Delta T \leq 20^{\circ}\text{C}$ 9. SKID MARK $\leq 30^{\circ}\text{C}$ 10. Comsuption:28(L/T) condition as below: (1). Cold billet charge 20℃ (2). Exclude any down time (3). Discharging Temp. :1100℃ (4). $\Delta T \leq 20^{\circ}\text{C}$	881000	
D u c t	1. Recuperator:air→air 2. Recycling Temp. : $\leq 550^{\circ}\text{C}$ 3. Temp. of exhaust air pass trough recuperator: (1). 60ton/Hr:750℃ (2). 72ton/Hr:850℃ 4. Stack(dimension): (1). outter dia. /inner dia. (mm):2800/1800 (2). Heigth(M):55	150000	

Sub. total: 1031000

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A. Reheating Furnace:(Auxiliary equipments)

Title	Main specification	Weight(Kg)	Photo
T u r n e r t a b l e	1. Billet Length(M):5.8~6.05 2. Billet size(mm): □165~□130 3. Cycle Time(S):49 4. Drive:Motor	37260	
H o t c h a r g i n g r o l l e r t a b l e	1. Billet length(M):5.8~6.05 2. Billet size(mm): □165~□130 3. Drive:Motor	30000	

Sub. total: 67260

NO.1 bar mill the main specification

B. Rolling equipment(1)2HIREV. Mill:(Main equipment)

Title	Main specification	Weight(Kg)
2HI Reversing Mill	1. Maker:Sumitomo 2. Control:Danieli Automation 3. Installed:2006 1Arrangement: Vertical→Horizontal 2. Roll Dimension: (1). Roll dia. (mm): new/scrap: Ø650/550 (2). roll length(mm):3330 (3). roll neck dia. (mm):Ø381 3. Drive: (1). DC Motor(one stand one motor) (2). 1200KW (3). Maker:FUJI(Japan) 4. Auto. caliber shifting and roll gap adjustment. 5. Break down mill , rebar , round bar , flat bar produce are available , Product size in this mill are as following: (1). Rebar:D16~D36 (2). Round bar:Ø85~Ø150 (3). Flat bar: Width: ≤300mm Thickness: ≤32mm	633079

B. Rolling equipment(1)2HIREV. Mill:(Auxiliary equipment)

Title	Main specification	Weight(Kg)
2HI extension roller table	1. Roller dia. (mm):Ø350 2. Roller barrel length(mm):800 3. Roller Pitch(mm):1000 4. Drive:one Roller one motor 5. Motor power(KW):5.5	59314
2HI Cross Transfer	1. Drive:Hydraulic cylinder 2. NO. of hydraulic cylinder:5 3. pitch of cross transfer(mm): 1300/1500	170000

Sub Total: 862393

ion of equipments

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Photo


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Photo



NO.1 bar mill the main specification

B.Rolling equipment (2)NO.1、NO.2 Intermediate mill、Finishing mill、Coo

Title	Main specification	Weight(Kg)
No.1 intermediate mill (intermediate mill for rebar , And Finishing mill for round , flat bar)	1. Maker:Danieli 2. Control:Danieli Automation 3. Installed:2006 4. Arrangment: (1). H→V→H→V(4 stands) (2). Type:Housingless Type (3).Hydraulic for roll gap adjustment (4).Roll dimension: a.Roll dia.(mm): new/scrap: Ø650/Ø460 b.barrel length(mm):1900 c.Roll neck dia.(mm):Ø280 (5).Multi grooves type (6).Drive: a. DC Motor(one stand one motor) b. BV、DV(270KW)Yasukawa c. AH、CH(800KW)ABB 5.Crank shear: (1).Function:head/tail cut for rebar , cut to length to cooling bed for round and flat bar. (2).Max.cutting force :80(KN) (3).Max. cutting speed:1.1m/s	129390 (These equipments will keep and resue in our company)
No.2 intermediate mill & Finishing mill	1.NO.2 Intermediate :2stands 2. Maker:SNK(Japan) 3. Installed:1969 4. Control:Danieli Automation 5. Drive: (1).NO.2 intermediate mill:one motor 2 stands(500KW、Yasukawa 、1978)。 (2).Finishing mill:one motor one stand(270KW、Yasukawa、1978) 6.Roll dimension(NO.2 intermediate mill): (1).Roll Dia.(mm): new/scrap: Ø420/370 (2).Roll length(mm):1892 (3).Roll neck(mm):Ø220 7.Roll dimension(Finishing mill) (1).Roll Dia.(mm): new/scrap: Ø390/350 (2).Roll length(mm):1678 (3).Roll neck(mm):Ø180 8.Product mix: Rebar(D16~D36)	69600
Cooling bed for rebar	1.Dimension: length(M):70 Width(M):7 2.Seperating Switch type 3.Walking Beam Rake Type 4.Brake slide drive with hydraulic cylinder	320000

Sub total:

518990

of equipments

ling bed for rebar:(Main equipments)

Photo

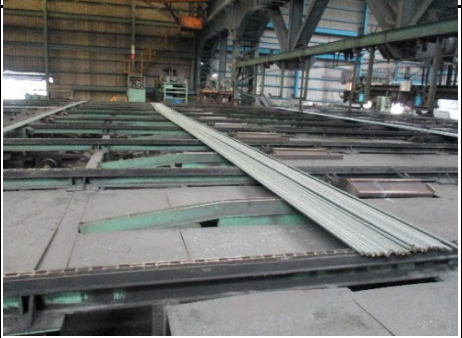


NO.1 bar mill the main specification of equipments

B. Mill equipments(3)rebar handling area:(main equipments)

Title	Main specification	Weight(Kg)	Photo
Cold shear	1.Type:clutch/brake Type 2.Cut to length available :6~18(M) 3.Cutting force:300(ton) 4.installed:1989 5.maker:SNK 6.Stopper for cut to length drive with motor.	60000	

B. Mill equipments(3)rebar handling area:(Auxiliary equipments)

Title	Main specification	Weight(Kg)	Photo
OD6~OD11 (trasfer~ weighing station)	1.Chain and lifting arm to trasfer the layer of material from cold shear run out roller table to collection bed. 2. With short bar and NG material separate equipments. 3. Bundling with manual. 4. Automatic Weighting system 5. Chains drive with motor.	180000	 

小計： 240000

NO.1 bar mill the main specification of equipments

B.Mill equipments(4-1)cooling bed and bar handling area for round bar:(main equipments)

Title	Main specification	Weight(Kg)	Photo
coling bed	1.Walking Beam Type 2.cooling with nature air 3.length:38(M) 4.width:7(M)		

B.Mill equipments(4-1)cooling bed and bar handling area for round bar:(Auxiliary equipments)

Title	Main specification	Weight(Kg)	Photo
Run In Roller Table	1.length:3(M) 2.Roller Pitch:1200(mm) 3.Roller dia. :Ø268(mm) 4.Rollerbarrel length: :450(mm)	879800	
Run In Roller Table With Lifting Apron	1.length:42(M) 2.Roller Type:Cantilever 3.Roller Pitch:1200(mm) 4.Roller dia. :Ø268(mm) 5.barrel length:450(mm) 6.Apron lenht per pcs:1.2(M) 7.Apron(width):347.5(mm) 8.Straightener block :38(M) 9. block width :1(M)		
Cooling bed run out roller table (with lifting equipments)	1.length of lifting equip. :38(M) 2.pitch:1200(mm) 3.stroke:235(mm) 4.transfer distance:1875(mm) 5.Run out roller table: (1).type:double support (2).pitch:1200(mm) (3).roller dia. :Ø188(mm) (4)..barrel length:1350(mm)		
Run in roller table to saw	1.Roller table length:4(M) 2.NO.of roller:5 3.Type:Double Support 4.pitch:1200(mm) 5.roller dia. :Ø188(mm) 6.barrel length:1350(mm)		

Sub. total 879800

NO.1 bar mill the main specificatic

B. Mill equipments(4-2)cooling bed and bar handling area for

Title	Main specification	Weight(Kg)
Disk Saw (For round bar cut to customer length).	1. Type:DISK SAW 2. Max. cutting speed:12(cm ² /s) 3. Max. backward speed:500(mm/s) 4. Max. forward speed:450(mm/s) 5. Stroke:3000(mm) 6. Saw dia. (mm):1500/800 7. Saw thickness(mm):13 8. With upper and side to fixed material equipment. 9. Noise isolate & dust collect. 10. Exclusive crane for saw change. 11. Stopper for cut to length 4~8M are available , and saw change down time within 10 min. .	

B. Mill equipments(4-2)cooling bed and bar handling area for

Title	Main specification	Weight(Kg)
Run out roller table for saw	1. Length:approx. 24(M) 2. NO. of roller:20(pcs) 3. pitch:1200(mm) 4. roller dia. :Ø268(mm) 5. barrel length:1350(mm)	
Run out roller table for second cooling bed & trasfer car with lifting equipment	1. Roller table length:12(M) 2. NO. of roller:10(pcs) 3. pitch:1200(mm) 4. roller dia. :268(mm) 5. barrel length :1350(mm) 6. No. of car :10 7. pitch:1200(mm) 8. lifting stroke:300(mm) 9. transfer distance:1875(mm) 10. NO. of drive for car:2 11. Disppear stopper:1 12. fixed stopper:1	
Fixed type of transfer chain	1. NO. of chain:10 2. pitch:1200/1500(mm)	

on of equipments

round bar:(main equipments)

Photo



round bar:(Auxiliary equipments)

Photo



NO.1 bar mill the main specification of equipments

B. Mill equipments(4-3)cooling bed and bar handling area for round bar:(Auxiliary)

Title	Main specification	Weight(Kg)	Photo
Run out roller table for second cooling bed & trasfer car with lifting equipments	1.table length:13(M) 2.type of chain :teeth 3.pitch of chain:1200(mm) 4.pitch of transfer car:1200(mm) 5.Stroke of car :235(mm) 6.transfer distance:1875(mm) 7.Roller type:double support 8.roller pitch:1200(mm) 9.roller dia. :Ø188(mm) 10.barrel length:1350(mm)		
Intermediate roller table (between second cooling bed & sacker area)	1.table length:9(M) 2.NO.of roller:8(pcs) 3.Roller type:double support 4.roller pitch:1200(mm) 5.roller dia. :Ø268(mm) 6.barrel length:1350(mm) 7.NO.of fixed stopper:2(pcs)		
Transfer chain for stacker entry side	1.lifting chain: (1).quantity:5(set) (2).pitch:1200/1500(mm) 2.fixed chain : (1).quantity:5(set) (2).pitch:1200/1500(mm)		
Collecting chain for stacker area	1.distance from first~last chain:6500(mm) 2.quanitivity:5(pcs) 3.pitch:1200/1500(mm)		
collecting fork for stacker area	1.length:6500(mm) 2.NO.of fork:5(pcs) 3.pitch of fork:1200/1500 (mm)		

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NO.1 bar mill the main specification of equipments

B. Mill equipments(4-4)cooling bed and bar handling area for round bar:(main equipments)

Title	Main specification	Weight(Kg)	Photo
Strap bundling machine	This equipment will keep and reuse in our company.		

B. Mill equipments(4-4)cooling bed and bar handling area for round bar:(Auxiliary equipments)

Title	Main specification	Weight(Kg)	Photo
Run out roller table for stacker area	1.Fixed pocket: (1).quantity:10(pcs) (2).width:450(mm) (3).stroke:1050(mm) 2.transfer roller table (1).Horizontal roller with drive: ①.quantity:5(pcs) ②.D:Ø268(mm), L:600(mm) ③.pitch:1200/1500(mm) (2).Horizontal roller without drive: ①.quantity:5(pcs) ②.D:Ø268(mm), L:600(mm) ③.pitch:1200/1500(mm) (3).anti-scratch vertical roller without drive: ①.quantity:10(pcs) ②.D:Ø185(mm), L:545(mm) ③.pitch:1200(mm)		
Transfer roller table before strap bundling machine	(1).Horizontal roller with drive: ①.quantity:2(pcs) ②.D:Ø268(mm), L:600(mm) ③.pitch:1200(mm) (2).Horizontal roller without drive: ①.quantity:2(pcs) ②.D:Ø194(mm), L:600(mm) ③.pitch:1200(mm) (3).anti-scratch vertical roller without drive: ①.D:Ø185(mm), L:545(mm) ②.pitch:1200(mm)		
Transfer	1.intermediate roller table		

roller table after strap bundling machine	(1).length:6.6(M) (2).Horizontal roller with drive: ①.quantity:7(pcs) ②.D:Ø268(mm), L:600(mm) ③.pitch:1200(mm) (3).Horizontal roller without drive: ①.D:Ø194(mm), L:600(mm) ②.pitch:1200(mm) 2.Collecting(bundle) table (1).length:7(M) (2).Horizontal roller with drive: ①.quantity:7(pcs) ②.D:Ø268(mm), L:600(mm) ③.pitch:1250(mm) (3).Horizontal roller without drive: ①.D:Ø194(mm), L:600(mm) ②.pitch:1250(mm)		
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Electric Equipment List

ITEM	Equipment	Quantity	Specification	Weight(KG)
1	Transformer	8	2,500KVA*7 、 3000KVA*1	55,300kg
2	DC Motors	18	1,200KW *3 、 800KW*2 、 500KW*2 、 270KW*5 、 400KW*2 、 153KW*4	140,025kg
3	AC Motors	237	1.8KW 、 3.5KW 、 5.5KW 、 4KW 、 150KW	37,089kg
4	Converter	11	ABB DCS600*10 、 MIDI2*1	12,000kg
5	Inverter	52	ABB ACS800	15,880kg

Remark

TR1.2.3.4.5.6.7.8.

include spare

Main equipment +RT

include SH2*1

Electric Equipment 2HI

Item	Equipment	Manufacture Date	Area	Specification	Quantity& Weight
1	V MOTOR	2006/11/20	2HI	TYPE GJW4037M OUTPUT 1200 KW VOLTAGE 750 V CURRENT 1760 A SPEED 200/600 rpm	1*24000kg/PC
1.1	Converter		2HI	ABB DCS602-4003-81 40000A(-A1)	1*1800kg
2	H MOTOR	2006/11/20	2HI	TYPE GJW4037M OUTPUT 1200 KW VOLTAGE 750 V CURRENT 1760 A SPEED 200/600 rpm	1*24000kg/PC
2.1	Converter		2HI	ABB DCS602-4003-81 40000A(-A1)	1*1800kg
3	R.T. BEFORE V MOTOR (VRT1 VRT2 VDT2)	2007/02/26	2HI	SUMITOMO CHHMS8-6165-AV-6 RATIO:6 MOTOR TYPE:TK-FXV FRAME:G-160L 5.5KW 4P 400V	26*203kg
3.1	Inverter		2HI	ACS800-04-0140-5(-A11&-A12&-A13)	1
4	R.T. AFTER H MOTOR (HRT1)	2007/02/26	2HI	SCHHMS8-6165-AV-6 RATIO:6 MOTOR TYPE:TK- FXV FRAME:G-160L 5.5KW 4P 400V 11.7A (460V	12*206kg
4.1	Inverter		2HI	ACS800-04-0150-5(-A14)	1
5	CALIBER SHIFT LIFT/LOWER BED FOR V-MOTOR	2007/02/26	2HI	TYPE MPF5316A OUTPUT 150KW 410V/253A 61HZ 315M CONT 1200RPM 6P F JP44 JC4F JEC-37-1979	1*1750kg
5.1	Inverter		2HI	ACS800-04-0320-5(-A15)	1
6	R.T. AFTER H MOTOR (HRT2)	2007/02/26	2HI	住友CHHMS8-6165-AV-6 RATIO:6 MOTOR TYPE:TK-FXV FRAME:G-160L 5.5KW 4P 400V	11*65kg
6.1	Inverter		2HI	ACS800-04-0150-5(-A16)	1
7	R.T. AT CONTINUOUS MILL ENTRY SIDE(AHRT1)	2007/02/26	2HI	SUMITOMO CHHMS8-6165-AV-6 RATIO:6 MOTOR TYPE:TK-FXV FRAME:G-160L 5.5KW 4P 400V	12*209kg
7.1	Inverter		2HI	ACS800-04-0120-5(-A17)	1
8	R.T. AT CONTINUOUS MILL ENTRY SIDE(AHRT2)	2007/02/26	2HI	SEW R87DV112M4 4KW 440V 7.9A 4P 3 Φ 60HZ I:27.84 IM:MI S.F:2.5 COSΦ:0.84	8*206kg
8.1	Inverter		2HI	ACS800-04-0120-5(-A18)	1
9	R.T. BETWEEN V-H MOTOR (VHRT)	2007/02/25	2HI	SUMITOMO CHHMS8-6165-AV-6 RATIO:6 MOTOR TYPE:TK-FXV FRAME:G-160L 5.5KW 4P 400V	3*208kg
9.1	Inverter		2HI	ACS800-04-0045-5(-A19)	1
10	BILLET TRANSFER TROLLEY (TROLLEY)	2007/02/25	2HI	ABB M3AA160M 3 ψ460V 60HZ 8P5.5KW 1024PPR PG	80
10.1	Inverter		2HI	ACS800-04-0020-5(A20)	1
11	R.T. AFTER H MOTOR (HRT3&HRT4)	2007/02/25	2HI	SUMITOMO CHHMS8-6165-AV-6 RATIO:6 MOTOR TYPE:TK-FXV FRAME:G-160L 5.5KW 4P 400V	1*208kg
11.1	Inverter		2HI	ACS800-04-0150-5(-A21)	1

Spart

1*24000kg/PC

0

0

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2

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Electric Equipment_RM

Item	Equipment	Area	Specification	Quantity & Weight	Spart
1	AH MOTOR	RM	DMI400Z 2007Y SN:8779048 IEC60034-1 IM:1001 Therm.class/Temp.rise:200/H 4950kg duty:s1 (800KW-672V1273A 450r/min 800KW-705V1206A 475r/min 800KW-705V1207A 1000r/min N3) Excitation:220V 50.5A) CAT NO:3BSM003050-YPH (FULL LOAD TORQUE:200% FOR 1 MIN EVERY 20MIN)	1* 4950kg	1
1.1	CONVERTER	RM	ABB DCS601-1903-81(-A11)	1000	0
2	BV MOTOR	RM	TYPE:GCPR-K FRAME:500L FIELD:SHUNT SER.NO:(KW:270 RATING:CONT. RPM:760 V:440 ARM.A:675 FIELD V:150 FIELD A:(J1-K1) 8.9 FIELD A:(J2-K2) 8.9)	1*5400kg	1
2.1	CONVERTER	RM	ABB DCS601-1203-51(-A11)	1400	0
3	CH MOTOR	RM	LAKC 6500D 800KW 450/1000RPM ARMATURE 705V 1225A FIELD 220V SHUNT 26.5A IP23 IC17 MN:650065059 H 105℃ 1200RPM(MAX) CEI34-1 BRUSH:25/2X32X50 6555KG	1*6555KG	0
3.1	CONVERTER	RM	ABB DCS601-1903-81(-A12)	1750	0
4	DV MOTOR	RM	TYPE:GCPR-K FRAME:500L FIELD:SHUNT SER.NO:(KW:270 RATING:CONT. RPM:760 V:440 ARM.A:675 FIELD V:150 FIELD A:(J1-K1) 8.9 FIELD A:(J2-K2) 8.9)	1*5400kg	0
4.1	CONVERTER	RM	ABB DCS601-1203-51(A12)	750	0
5	SH1	RM	DMI280 3BSM003856 SN:8739513 392KW TEST REPORT:392KW ARMATURE:500V 831A 894RPM FIELD:EXC 300V 13.7A INS. CL.:H DUTY:S1 COOLING:IC86W (ROTOR:0.00951Ω COMM+COMP:0.00776Ω EXCITATION:15.2Ω @21℃)	1*2170kg	1
5.1	CONVERTER	RM	ABB DCS602-1903-81(-A12)	750	0
6	IM2 MOTOR	RM	TYPE:GCPR-K FRAME:630M 8250kg 1 台 (YASKAWA) 500/500KW 700/300RPM 600/600V 904/897A FIELD (SEPARATE) J1-K1 12.1/35.1A FIELD J2-K2 12.1/35.1A FIELD 110/110V SER.No.708938101/1988	1* 8250kg	1
6.1	CONVERTER	RM	ABB DCS601-1503-61(-A11)	1000	0
7	F1 MOTOR	RM	TYPE:GCPR-K FRAME:500L FIELD:SHUNT SER.NO:P80001204 (KW:270 RATING:CONT. RPM:760 V:440 ARM.A:675 FIELD V:150 FIELD A:(J1-K1) 8.9 FIELD A:(J2-K2) 8.9)	1*5400kg	0
7.1	CONVERTER	RM	ABB DCS601-1203-51(-A13)	700	0
8	F2 MOTOR	RM	TYPE:GCPR-K FRAME:500L FIELD:SHUNT SER.NO:P80001203 (KW:270 RATING:CONT. RPM:760 V:440 ARM.A:675 FIELD V:150 FIELD A:(J1-K1) 8.9 FIELD A:(J2-K2) 8.9)	1*5400kg	0
8.1	CONVERTER	RM	ABB DCS601-1203-51(-A14)	700	0
9	SH2	RM	ABB DMI 280Y-QFA 153KW ARMATURE:230V 742A 365RPM	2*2170kg	2
9.1	CONVERTER	RM	ABB DRIVES MIDI II	350	0

Electric Equipment_Big Round

Item	Equipment	Area	Specification	Manufacture Year	Quantity& Weight	Spart
1	R.T. WITH EXTRACTION TROLLEY #1 SECT. #1	Big ROUND	FLENDER Z68-M100LB4 3.6KW 440V 6.72A RATIO:16.45 1715RPM	2009	5*113kg	0
1.1	INVERTER	Big ROUND	ABB ACS800-04-0045-5(-A1)	2009	1	0
2	R.T. WITH EXTRACTION TROLLEY #1 SECT. #2	Big ROUND	FLENDER Z68-M100LB4 3.6KW 440V 6.72A RATIO:16.45 1715RPM	2009	5*115kg	0
2.1	INVERTER	Big ROUND	ABB ACS800-04-0045-5(-A2)	2009	1	0
3	R.T. WITH EXTRACTION TROLLEY #2 SECT. #1	Big ROUND	FLENDER Z68-M100LB4 3.6KW 440V 6.72A RATIO:16.45 1715RPM	2009	5*112kg	0
3.1	INVERTER	Big ROUND	ABB ACS800-04-0045-5(-A3)	2009	1	0
4	R.T. WITH EXTRACTION TROLLEY #2 SECT. #2	Big ROUND	FLENDER Z68-M100LB4 3.6KW 440V 6.72A RATIO:16.45 1715RPM	2009	5*117kg	0
4.1	INVERTER	Big ROUND	ABB ACS800-04-0045-5(-A4)	2009	1	0
5	BARS SEPARATION DEVICE SELECTING DEVICE DRIVE	Big ROUND	ABB M3BP160M4 15.5KW 440V 27A 1745RPM	2009	1*380kg	0
5.1	INVERTER	Big ROUND	ABB ACS800-04-0040-5(-A5)	2009	1	0
6	LANCES UNIT DRIVE	Big ROUND	ABB 22KW 440V 37.5A 1765RPM M3BP180M4 IEC180M/L 48	2009	1*382kg	0
6.1	INVERTER	Big ROUND	ABB ACS800-04-0045-5(-A6)	2009	1	0
7	R.T. WITH FORMING POCKET & TYING MACHINE R.T.	Big ROUND	FLENDER 2.6KW 440V 4.9A RATIO:25.55 1705RPM Z68-M100L4	2009	6*108kg	0
7.1	INVERTER	Big ROUND	ABB ACS800-04-0045-5(-A7)	2009	1	0
8	R.T. WITH FORMING POCKET & TYING MACHINE R.T.	Big ROUND	ABB 1.75KW 440V 4.15A 1135RPM M3ARF 100 L6	2009	1*62kg	0
8.1	INVERTER	Big ROUND	ABB ACS800-04-0045-5(-A7)	2009	1	0
9	TYING MACHINE R.T.	Big ROUND	FLENDER 2.6KW 440V 4.9A RATIO:25.55 1705RPM Z68-M100L4	2009	7*110kg	0
9.1	INVERTER	Big ROUND	ABB ACS800-04-0040-5(-A8)	2009	1	0
10	STORAGE R.T.	Big ROUND	FLENDER 2.6KW 440V 4.9A RATIO:25.55 1705RPM Z68-M100L4	2009	6*105kg	0
10.1	INVERTER	Big ROUND	ABB ACS800-04-0040-5(-A9)	2009	1	0
11	ROTATING SEPARATION DEVICE DRIVE-SECT.A	Big ROUND	FLENDER 18KW 440V 33.85A RATIO:80.77 1740RPM D188-M160T 4E	2009	1*280kg	0
11.1	INVERTER	Big ROUND	ABB ACS800-04-0040-5(-A10)	2009	1	0
12	ROTATING SEPARATION DEVICE DRIVE-SECT.B	Big ROUND	FLENDER 18KW 440V 33.85A RATIO:80.77 1740RPM D188-M160T 4E	2009	1*282kg	0
12.1	INVERTER	Big ROUND	ABB ACS800-04-0040-5(-A11)	2009	1	0
13	WHEELED STOP TRAVELLING DRIVE	Big ROUND	FLENDER 2.6KW 440V 4.9A RATIO:58.37 1705RPM KAZ88-M100T 4T 22CH	2009	1*104kg	0
13.1	INVERTER	Big ROUND	ABB ACS800-04-0009-5(-A12)	2009	1	0
14	R.T. FOR LAYER & R.T.WITH CLAMPS	Big ROUND	FLENDER Z68-M100LB4 3.6KW 440V 6.72A RATIO:16.45 1715RPM	2009	7*116kg	0
14.1	INVERTER	Big ROUND	ABB ACS800-04-0060-5(-A13)	2009	1	0
15	R.T. FOR LAYER	Big ROUND	FLENDER Z68-M100LB4 3.6KW 440V 6.72A RATIO:16.45 1715RPM	2009	8*113kg	0
15.1	INVERTER	Big ROUND	ABB ACS800-04-0070-5(-A14)	2009	1	0

16	R.T. WITH EXTRACT. TROLLEYS #3	Big ROUND	FLENDER Z68-M100LB4 3.6KW 440V 6.72A RATIO:16.45 1715RPM	2009	8*112kg	0
16.1	INVERTER	Big ROUND	ABB ACS800-04-0070-5(-A15)	2009	1	0
17	COOLING BED CRIVE	Big ROUND	ABB 86KW 440V 142A 1191RPM M3BP315SMA6 B3 B31091-518	2009	1*445kg	0
17.1	INVERTER	Big ROUND	ABB ACS800-04M-0210-5(-A16)	2009	1	0
18	R.T.WITH FORMING POCKET LIFTING/LOWERING DRIVE	Big ROUND	ABB 86KW 440V 142A 1191RPM M3BP315SMA6 B3 B31091-518	2009	1*445kg	0
18.1	INVERTER	Big ROUND	ABB ACS800-04M-0210-5(-A17)	2009	1	0
19	ABRASIVE DISK SAW MAIN DRIVE	Big ROUND	ABB 315KW 440V 499A 1788RPM M3BP355SMB4 B3	2009	1*2450kg	0
19.1	INVERTER	Big ROUND	ABB ACS800-04M-0610-5(-A18)	2009	1	0
20	R.T. AT C.BED ENTRY SIDE & WITH LIFTING APRONS	Big ROUND	1.8KW 3.65A 440V	2009	17*67kg	0
20.1	INVERTER	Big ROUND	ABB ACS800-04-0100-5(-A19)	2009	1	0
21	R.T. WITH LIFING APRONS	Big ROUND	3.6KW 6.72A 440V	2009	16*114kg	0
21.1	INVERTER	Big ROUND	ABB ACS800-04-0100-5(-A20)	2009	1	0
22	R.T.WITH TROLLEYS AT COOLING BED EXIT SIDE SECT 1	Big ROUND	3.6KW 6.72A 440V	2009	11*111kg	0
22.1	INVERTER	Big ROUND	ABB ACS800-04-0100-5(-A21)	2009	1	0
23	R.T.WITH TROLLEYS AT COOLING BED EXIT SIDE SECT 2	Big ROUND	3.6KW 6.72A 440V	2009	11*100kg	0
23.1	INVERTER	Big ROUND	ABB ACS800-04-0100-5(-A22)	2009	1	0
24	R.T.WITH TROLLEYS AT COOLING BED EXIT SIDE SECT 3	Big ROUND	3.6KW 6.72A 440V	2009	10*115kg	0
24.1	INVERTER	Big ROUND	ABB ACS800-04-0100-5(-A23)	2009	1	0
25	ROLLER TABLE FOR LAYER	Big ROUND	3.6KW 6.72A 440V	2009	8*114kg	0
25.1	INVERTER	Big ROUND	ABB ACS800-04-0100-5(-A24)	2009	1	0
26	COOLING BED #2 DRIVE	Big ROUND	43KW 73A 440V 1500RPM	2009	1*480kg	0
26.1	INVERTER	Big ROUND	ABB ACS800-04-0100-5(-A25)	2009	1	0
27	R.T.WITH TROLLEYS AT COOLING BED EXIT CHAIN TRANSFER DRIVE	Big ROUND	8.6KW 16.2A 440V 1500RPM	2009	1*223kg	0
27.1	INVERTER	Big ROUND	ABB ACS800-04-0020-5(-A26)	2009	1	0
28	R.T.WITH TROLLEYS AT COOLING BED EXIT CHAIN TRAV. TROLLEYS MOTOR	Big ROUND	12.7KW 22.3A 440V 1500RPM	2009	1*225kg	0
28.1	INVERTER	Big ROUND	ABB ACS800-04-0028-5(-A27)	2009	1	0
29	R.T.WITH TROL. LAYER EXTR. TROL SHIFTING DRIVE SECT A	Big ROUND	4.6KW 8.8A 440V 1500RPM	2009	1*154kg	0
29.1	INVERTER	Big ROUND	ABB ACS800-04-0016-5(-A28)	2009	1	0
30	R.T.WITH TROL. LAYER EXTR. TROL SHIFTING DRIVE SECT B	Big ROUND	4.6KW 8.8A 440V 1500RPM	2009	1*163kg	0
30.1	INVERTER	Big ROUND	ABB ACS800-04-0016-5(-A29)	2009	1	0
31	R.T.WITH TROL. CHAIN TRANSFER DRIVE SECT A	Big ROUND	6.6KW 12A 440V 1500RPM	2009	1*187kg	0
31.1	INVERTER	Big ROUND	ABB ACS800-04-0016-5(-A30)	2009	1	0

32	R.T.WITH TROL. CHAIN TRANSFER DRIVE SECT B	Big ROUND	6.6KW 12A 440V 1500RPM	2009	1*189kg	0
32.1	INVERTER	Big ROUND	ABB ACS800-04-0016-5(-A31)	2009	1	0
33	FIXED CHAIN TR. WITH SEL. DEVICE CHAIN TR. DRIVE SECT A	Big ROUND	6.6KW 12A 440V 1500RPM	2009	1*191kg	0
33.1	INVERTER	Big ROUND	ABB ACS800-04-0016-5(-A32)	2009	1	0
34	FIXED CHAIN TR. WITH SEL. DEVICE CHAIN TR. DRIVE SECT A	Big ROUND	6.6KW 12A 440V 1500RPM	2009	1*190kg	0
34.1	INVERTER	Big ROUND	ABB ACS800-04-0016-5(-A33)	2009	1	0
35	FIXED CHAIN TR. WITH SEL. DRIVE LAYER FLAP HORIZ	Big ROUND	6.6KW 12A 440V 1500RPM	2009	1*191kg	0
35.1	INVERTER	Big ROUND	ABB ACS800-04-0016-5(-A34)	2009	1	0
36	R.T.WITH EXTR.TROL #2 LAYER EXTR.TROL.SHIFTING DRIVE SECT A	Big ROUND	4.6KW 8.8A 440V 1500RPM	2009	1*153kg	0
36.1	INVERTER	Big ROUND	ABB ACS800-04-0016-5(-A35)	2009	1	0
37	R.T.WITH EXTR.TROL #2 LAYER EXTR.TROL.SHIFTING DRIVE SECT B	Big ROUND	4.6KW 8.8A 440V 1500RPM	2009	1*162kg	0
37.1	INVERTER	Big ROUND	ABB ACS800-04-0016-5(-A36)	2009	1	0
38	R.T.WITH EXTR.TROL #2 CHAIN TRANSFER DRIVE SECT A	Big ROUND	6.6KW 12A 440V 1500RPM	2009	1*193kg	0
38.1	INVERTER	Big ROUND	ABB ACS800-04-0016-5(-A37)	2009	1	0
39	R.T.WITH EXTR.TROL #2 CHAIN TRANSFER DRIVE SECT B	Big ROUND	6.6KW 12A 440V 1500RPM	2009	1*194kg	0
39.1	INVERTER	Big ROUND	ABB ACS800-04-0016-5(-A38)	2009	1	0
40	FIXED CHAIN TRANSFER DRIVE	Big ROUND	6.6KW 12A 440V 1500RPM	2009	1*192kg	0
40.1	INVERTER	Big ROUND	ABB ACS800-04-0016-5(-A39)	2009	1	0
41	R.T.WITH EXTR.TROL #3 LAYER EXTR TROLLEY SHIFTING DRIVE	Big ROUND	4.6KW 8.8A 440V 1500RPM	2009	1*164kg	0
41.1	INVERTER	Big ROUND	ABB ACS800-04-0016-5(-A40)	2009	1	0
42	R.T.WITH EXTR.TROL #3 CHAIN TRANSFER DRIVE	Big ROUND	6.6KW 12A 440V 1500RPM	2009	1*194kg	0
42.1	INVERTER	Big ROUND	ABB ACS800-04-0016-5(-A41)	2009	1	0
43	FINAL FIXED CHAIN TRANSFER DRIVE	Big ROUND	9KW 16.1A 440V 4-22RPM	2009	1*240kg	0
43.1	INVERTER	Big ROUND	ABB ACS800-04-0025-5(-A41)	2009	1	0

Electric Equipment_Transformers

Item	Equipment	Area	Specification	Manufacture Date	Quantity& Weight
1	TR1	TR	Capacity(KVA)2500、Capacity KVA(With-cooling)3125、Primary Voltage 11.4K、Secondary Vlotage 750/433、Primary Current 127、Primary Current(with cooling)158、Secondary Current(A)1952、Secondary Current((with cooling)2406、Cooling OA/FA、Wiring△→Y、Brand TATUNG、Nr.710122	2007.06	7550
2	TR2	TR	Capacity(KVA)2500、Capacity KVA(With-cooling)3125、Primary Voltage 11.4K、Secondary Vlotage 750、Primary Current(A) 127、Primary Current(with cooling)158、Secondary Current(A)1952、Secondary Current((with cooling)2406、Cooling OA/FA、Wiring△→△、Brand TATUNG、Nr.710123	2007.06	7850
3	TR3	TR	Capacity(KVA)2500、Capacity KVA(With-cooling)3125、Primary Voltage 11.4K、Secondary Vlotage 460、Primary Current(A) 127、Primary Current(with cooling)158、Secondary Current(A)3138、Secondary Current((with cooling)3922、Cooling OA/FA、Wiring△→Y、Brand TATUNG、Nr.610167	2006.08	6400
4	TR4	TR	Capacity(KVA)3000、Capacity KVA(With-cooling)3750、Primary Voltage 11.4K、Secondary Vlotage 670/387、Primary Current(A) 152、Primary Current(with cooling)190、Secondary Current(A)2585、Secondary Current((with cooling)3231、Cooling OA/FA、Wiring△→Y、Brand TATUNG、Nr.710126	2007.06	8000
5	TR5	TR	Capacity(KVA)2500、Capacity KVA(With-cooling)3125、Primary Voltage 11.4K、Secondary Vlotage 460/266、Primary Current(A) 127、Primary Current(with cooling)158、Secondary Current(A)3138、Secondary Current((with cooling)3922、Cooling OA/FA、Wiring△→Y、Brand TATUNG、Nr.610168	2006.08	6400
6	TR6	TR	Capacity(KVA)2500、Capacity KVA(With-cooling)3125、Primary Voltage 11.4K、Secondary Vlotage 460/266、Primary Current(A) 127、Primary Current(with cooling)158、Secondary Current(A)3138、Secondary Current((with cooling)3922、Cooling OA/FA、Wiring△→Y、Brand TATUNG、Nr.610169	2006.08	6400
7	TR7	TR	Capacity(KVA)2000、Capacity KVA(With-cooling)2500、Primary Voltage 11.4K、Secondary Vlotage 570/329、Primary Current(A) 101、Primary Current(with cooling)127、Secondary Current(A)2026、Secondary Current((with cooling)2532、Cooling OA/FA、Wiring△→Y、Brand TATUNG、Nr.710125	2007.06	5800
8	TR8	TR	Capacity(KVA)2500、Capacity KVA(With-cooling)3125、Primary Voltage 11.4K、Secondary Vlotage 460、Primary Current(A) 127、Primary Current(with cooling)158、Secondary Current(A)3138、Secondary Current((with cooling)3922、Cooling OA/FA、Wiring△→△、Brand TATUNG、Nr.710124	2007.06	6900
Total Weigh					55300