

TRANSMISSION Engineering Industries limited

LIST OF MACHINERY EQUIPMENTS

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Date: February 14, 2009

SR. NO.	DESCRIPTION	MACHINE ID #	ACCOUNT CODE	MAKE	MODEL	CAPACITY	WEIGHT	KW
TURNING MACHINES								
1	1 CNC Turning Centre	TC001	2300020027	Cincinnati, UK	200/850/AT	Ø 200 X 850	6486	16
2	2 CNC Turning Centre	TC002	2300020114	Yamazaki Mazak	QT - 8	Ø 160 X 600	2600	7.5
3	3 CNC Turning Centre	TC003	2300030023	Gildemeister	CT - 200	Ø 250 X 450	2500	7.5
4	4 CNC Turning Centre	TC004	2300030033	Yunan China / Mitsubishi	CYNCP400/750-Mitsubishi M50L	Ø 400 X 750	3500	9
5	5 CNC Turning Centre	TC005	2300030039	China Guangzhou	CJK6132A/500 (GSK980T)	Ø 175 X 500	1370	4
6	6 CNC Turning Centre	TC006	2300030040	China Guangzhou	CJK6132A/500 (GSK980T)	Ø 175 X 500	1370	4
7	7 CNC Turning Centre	TC007		China - Yunan	CYNC - 400P/1500 (SIEMENS 802C)	Ø 210 X 1500	3500	9
8	8 Centre Lathe	TL005	2300020126	D-Mitchell, UK	--	Ø 420	2000	2.25
9	9 Production Type Centre Lathe	TL006	2300020125	LANC, UK	8B	Ø 400	2500	3
10	10 Production Lathe	TL007	2300020124	Herbert, UK	CARBICUT	Ø 200 X 600	1200	2
11	11 Centre Lathe	TL008	2300020176	China	--	--	--	3
12	12 Centre Lathe	TL009	2300020181	Pak-Gold Star	GS-180	200 mm	600	2
13	13 Centre Lathe	TL010	2300020182	Pak-Gold Star	GS-180	200 mm	600	2
14	14 Centre Lathe	TL011		Pak-Gold Star	GS-275	Ø 300	1000	2
15	15 Centre Lathe	TL012		Pak-Meco		Ø 200	600	2
16	16 Chucking Automatic Lathe	TW002	2300020088	Warner Swasey	2 - AC	Ø 250 X 250	6000	25
17	17 Chucking Automatic Lathe	TW007	2300020156	Warner Swasey	1 - AC	Ø 200	4000	10
18	18 Chucking Automatic Lathe	TW008	2300020157	Warner Swasey	1 - AC	Ø 200	4000	10
19	19 Turret Lathe	TW009		Herbert, UK	No. 4	Ø 250	1000	5
20	20 Turret Lathe	TW010		Herbert, UK	No. 5	Ø 300	1200	7
21	21 Automatic Copy Lathe	TW003	2300020120	George Fisher, Germany	KDM - A11/70	Ø 250 X 700	3900	15
22	22 Drilling / Boring (SPM)	TY002	2300020099	Local	--	Ø 35	500	2
GEAR CUTTING MACHINES								
A) HOBBING								
23	1 Gear Hobbing Machine	BH001	2300020003	W M W	ZF - WZ - 250	Ø 250 MODULE 5	4600	15
24	2 Gear Hobbing Machine	BH002	2300020048	W M W	ZF - WZ - 250	Ø MODULE 5	4600	15
25	3 Gear Hobbing Machine	BH003	2300020049	W M W	ZF - WZ - 250	Ø MODULE 5	4600	15
26	4 Gear Hobbing Machine	BH004	2300020009	CHURCHILL - RIGID	RH 8	Ø 150	5690	9
27	5 Gear Hobbing Machine	BH005	2300020007	David Brown	HYDRAX H	Ø 300	-4.000	7.5
28	6 Gear Hobbing Machine	BH006	2300020084	David Brown	HYDRAX V	Ø 300	-6.000	8
29	7 Gear Hobbing Machine	BH007	2300020038	Sykes	H - 6	Ø 200	-4.500	9
30	8 Gear Hobbing Machine	BH008	2300020090	Lees Brander	12 - HD	Ø 300	--	16
31	9 Gear Hobbing Machine	BH009	2300020109	Russian	SB - 31OP	f 125	2000	3.8
32	10 Gear Hobbing Machine	BH010	2300020127	Lees Brander	7 - HD	m = 6; DIA = 180	3000	14
33	11 Gear Hobbing Machine	BH011	2300020192	Pfauter Germany		Ø 125	1000	4
B) SHAPING								
34	1 Gear Shaping Machine	PS001	2300020004	Fellows	8 AGS	Ø 250 - DP6	2000	2.25
35	2 Gear Shaping Machine	PS002	2300020036	Maxicut	2 A	Ø 250 - DP6	2000	2.25
36	3 Gear Shaping Machine	PS003	2300020050	Maxicut	2 A	Ø 250 - DP6	2000	2.25
37	4 Gear Shaping Machine	PS004	2300020035	Maxicut	2 B	Ø 250 - DP6	2000	2.25
38	5 Gear Shaping Machine	PS006	2300020111	Sykes	V-400	Ø 400	4300	9
C) SHAVING								
39	1 Gear Shaving Machine	W001	2300020006	Red Ring	GCU-8	Ø 200	4136	5
40	2 Gear Shaving Machine	W002	2300020089	Red Ring	GCU-8	Ø 200	4136	5
41	3 Gear Shaving Machine	W003	2300020100	Churchill	SAU - 8	Ø 200	4136	5
42	4 CNC Gear Shaving Machine	W004	2300030034	Chongqing China / Siemens	YKA-4232A / Siemens 802 S	Ø 320X500	4500	
SPLINE CUTTING MACHINE								
43	1 Vertical 3 Station Broaching Machine	LB001	2300020095	Lapointe	--	10 TONS-36 INCH	-6.000	7
44	2 Vertical Broaching Machine	LB002	2300020026	Marchello	BVI / 800 / 6000	6 TONS-800 mm	-1.000	4
45	3 Vertical Slotting Machine	LA001	2300020008	Burdett	18 A	STROKE-150 mm	-1.000	3
DRILLING MACHINE								
46	1 CNC Milling / Drilling Machine	DU 005		China - Jiangsu	ZK7640/SIEMENS-802S	Ø 800X400	4 Ton	4
47	2 3 Station Column Drilling Machine	DU001	2300020082	Pollard	15 DY	Ø 36mm	-1.200	3
48	3 2 Station Column Drilling Machine	DU002	2300020129	Corona	9 HP 15C X	Ø 38mm	-1.000	2
49	4 Column Drilling Machine	DU003	2300020021	Peco	UD 50	Ø 50mm	-1.500	4
50	5 Column Drilling Machine	DU004	2300020061	--	--	Ø 38-2HP	-800	1.5
51	6 Double Station Multi-Spindle Drilling M/C	DM001	2300020096	Herbert	27866 AB	2X8 Spindle	-1.500	5
52	7 Bench Type Drilling Machine	DJ001	2300020055	Champion	--	Ø 18mm	-300	0.75
53	8 Bench Type Drilling Machine	DJ005	2300020058	Local	--	Ø 18		0.75
54	9 Bench Type Tapping Machine	DJ006	2300020146	Solberga, Sweden	SE - 725	Ø 38mm	-400	1.1
55	10 Bench Type Drilling Machine	DJ007	2300020056	Dawn	--	--	--	0.75
56	11 Double Drill Machine		2300020087	Local				0.75
CHAMFERING / DEBURRING MACHINE								
57	1 Gear Teeth Chamfering / Rounding M/C	CR001	2300020093	Hey 10	HEY 10		1.000	3
58	2 Gear Teeth Chamfering / Rounding M/C	CR002	2300020102	Hey 10	HEY 10		1.000	3
59	3 Gear Teeth Chamfering / Rounding M/C	CR003	2300020161	Hey 10	HEY 10	Ø 300	1.000	3
60	4 Gear Deburring Machine	CD001	2300020083	SU Italy	SU - MCR / 500-1		1.200	1
61	5 Gear Deburring Machine	CD002	2300020042	Local			400	0.75
62	6 Manual Gear Deburring Machine	CD003	2300020046	Local	--		--	1

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SR. NO.	DESCRIPTION	MACHINE ID #	ACCOUNT CODE	MAKE	MODEL	CAPACITY	WEIGHT	KW
TOOL ROOM MACHINE								
64	1 Centre Lathe	TL001	2300020018	Colchester, UK	Tona 33	Ø 13 inch	2000	5.6
65	2 Centre Lathe	TL002	2300020132	Hydri, PAKISTAN	--	Ø 7 inch	800	0.75
66	3 Centre Lathe	TL003		Torshalla - UK	8V-150	Ø 200	700	2.2
67	4 Horizontal Milling Machine	M001	2300020137	Maechanicy, Poland	FW-32	40" X 12"	3900	4.4
68	5 Tool Room Milling Machine	M002	2300020097	Bridgeport	--	300 X 1200	500	3
69	6 Shaper Machine	M003	2300020138	GSP, France	115-764	Stroke 30"	3000	6.34
70	6 Pentograph Engraving Machine	M004	2300020063	HTM			300	0.5
71	7 Hob Sharpening Machine	OH001	2300020005	Klingelnberge	GW 30		~2.000	4.5
72	8 Broach Sharpening Machine	OB001	2300020052	Lapointe	AC 144/2056		~1.600	1
73	9 Gear Shaper Cutter Sharpening	OS001	2300020081	Local	--		~500	1.5
74	10 Universal Tool & Cutter Grinder	OU001	2300020069	Cincinnati	--		~800	2
75	11 Tool Sharpening Machine	OU002		HEALD-USA	Model 4	30 mm	500 Kg	0.75
76	12 Bench Type Tool Grinder	O001	2300020023	--	1 HP		--	0.75
77	13 EDM Spark Erosion Machine	OE001	--	Volta Pakistan	--	60 Amp	800 kg	3 Kw
GRINDING / HONING MACHINE								
78	1 Cylindrical Grinding Machine	GE001	2300020039	Myford	MG 2	Ø 200 X 600	~500	1.5
79	2 Universal Grinding Machine	GE002	2300020104	Jones Shipman	1300	--	~1.000	1.5
80	3 Universal Grinding Machine	GE003	2300020040	Churchill	--	Ø 8" X 18"	~1.000	1.5
81	4 Radial Drilling Machine	DU005		Eliott UK		Ø 50		2
82	5 Cylindrical Grinding Machine	GE004	2300020086	Myford	MG 2	Ø 200 X 600		1.5
83	6 Cylindrical Grinding Machine	GE005	2300020002	Myford	MG 2	Ø 200 X 600		1.5
84	7 Cylindrical Grinding Machine	GE006	2300020051	Jones Shipman	JS - 71	Ø 200 X 600		1.5
85	8 Cylindrical Grinding Machine	GE007	2300020044	Jones Shipman	--	Ø 200 X 600		1.5
86	9 Internal Grinding Machine	GI002	2300020085	Cincinnati	171 B	Ø 50 X 80	~3.000	7
87	10 Internal Grinding Machine	GI003	2300020054	Jung Berlin	C 8	--	~2.000	3
88	11 Centre Hole Grinding Machine	GI004	2300020122	--	--	--	--	1
89	12 Internal Grinding Machine	GI005	2300020059	Kartslens, Germany	--	Ø 150 X 300	3000	7
90	13 Surface Grinding Machine	GK001	2300020016	Jones Shipman	540	150X450 mm	813	2
91	14 Honing Machine	GG002	2300020092	Delapena	SPEED HONES "S"	--	~500	1
92	15 Honing Machine	GG003	2300020110	Jones Shipman	Micromatic - 738	Ø 50	~500	1
93	16 Buffing / Polishing Machine	AP001	2300020022	National PAKISTAN	LOCAL	--	--	0.75
94	16 Fix Tool Grinder		2300020118					0.75
HEAT TREATMENT EQUIPMENT / SURFACE TREATMENT EQUIPMENT								
95	1 Salt Bath Furnace	HQ001	2300020041	Local	--	Ø 500 X 1200	~3.000	1.5
96	2 Salt Bath Furnace	HQ004	--	Local	--	Ø 500 X 1200	~3.000	1.5
97	3 Salt Bath Furnace	HQ005	--	Local	--	Ø 500 X 1200	~3.000	1.5
98	4 Salt Bath Furnace	HQ006	--	Local	--	Ø 500 X 1200	--	1.5
99	5 Tempering Furnace	HT001	2300020029	SAPIM	CE 830 / 1200	Ø 800 X 1200	~3.300	40
100	6 Electric Furnace	HT002	2300020163			Ø 300 X 400	400	4
101	7 Laboratory Furnace	HT003		NABERTHERM GERMANY	N41 (1200°C)	500X450X450	500 Kg	12
102	8 Oil Quenching Tank	HQ002	2300020043	Local	--	--	~800	2
103	9 Oil Quenching Tank	HQ003	2300020115	Local	--	--	~800	2
104	10 Water Quenching Tank	HN003	2300020098	Local	--	--	~500	--
105	11 Sand Blasting Cabinet	HX001	2300020078	Local	--	--	~500	0.75
106	12 Sand Blasting Dust Collector		2300020032					--
107	13 Barrel Finishing / Tumbling Machine	HF001	2300020065	Local	--	--	~250	2
108	14 Barrel Finishing / Tumbling Machine	HF002	2300020066	Local	--	--	~250	2
109	15 Vibra Polishing Machine	HF003		China				5
110	16 Water Tank		2300020030					--
111	17 Phosphating Chemical Tank		2300020033					--
QUALITY CONTROL EQUIPMENT								
112	1 Gear Composite Error Tester	Q001	2300020013	MAAG	DAS 1	Ø 500	~300	
113	2 Gear Involute & Lead Tester	Q002	2300020047	Goulder Mikran	IL - 600		~1200	
114	3 Laboratory Sample Polisher / Lapper	Q004	2300020068				~100	
115	4 Run out Testing Bench	Q005	2300020011				~100	
116	5 Run out Testing Bench		2300020067					
117	6 Gear Involute Tester	Q006		Goulder	21			
118	7 Gear Lead Tester	Q007		Goulder	2R			
119	8 Crack Detection Equipment	Q008		Johnson & Allen	SBU - 1000			
120	9 Mirco Hardness Tester	Q009	2300020070	Matsuzawa				
121	10 Metallurgical Microscope	Q010	2300020010	Reichert				
122	11 Metal Cutter	Q012	2300020091	LG, Korea				
123	12 Air Bore Gauge	Q014		Thomas Mercer				
124	13 Laboratory Sample Polisher / Lapper	Q015	2300020103	--				
125	14 Rockwell Hardness Tester	Q016	2300020150	China	HR - 150 A		~200	
126	15 Rockwell Hardness Tester	Q017	2300020076	China	HR - 150 A		~200	
127	16 Rockwell Hardness Tester	Q018	2300020190	China	HR - 150 A		~200	
128	17 Brinell Hardness Tester	Q019	2300020149	China	--		~300	
129	18 Surface Finish Tester	Q020	2300020032	China	JJI - B3			
130	19 Measuring Projector	Q021	2300030031	Xintian Optical China	JT - 9	Ø 350		

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132	21	Laboratory Weighing Scale	Q023	2300020193					
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SR. NO.	DESCRIPTION	MACHINE ID #	ACCOUNT CODE	MAKE	MODEL	CAPACITY	WEIGHT	KW
FORGING PLANT								
133	1 Billet Shear	R006		Peddinghaus Germany	214 / 400	400 Tons Cut. Dic. 105mm	8.6 Tons	22.0
134	2 Mech Forging Press	F015		National USA	MP 700	700 Tons	33.0 Tons	35
135	3 Mech. Forging Press	F002	2300030029	Craig & Donald, UK	--	500 TONS	44 TONS	30 KW
136	4 Mech. Forging Press	F010		POVL MOLLERS DENMARK	KP200	200 TONS	30 TONS	15 KW
137	5 Mech. Forging Press	F012		Joseph Rhodes UK	No. 11652	200 TONS	15 TONS	13 KW
138	6 Mech. Forging Press	F016		Messey UK	ES 922	200 TONS	11.75 Tons	5.5
139	7 Mech. Forging Press	F017		Messey UK	ES 1144	120 TONS	7.75 Tons	3.75
140	8 Mech. Ecentric Press	F003	2300020148	Comercial, PAKISTAN	--	80 TONS	6 TONS	7
141	9 Mech. Ecentric Press	F008	2300020147	PAKISTAN	--	100 TONS		10 KW
142	10 Mech. Ecentric Press	F009	2300020198	Madina Pakistan		60 TONS		5
143	11 Screw Press	F011		WEINGARTEN GERMANY	PP240	450 TONS	18 TONS	20
144	12 Screw Press	F014		WEINGARTEN GERMANY	P125	110 TONS	4.30 TONS	12
145	13 Screw Press	F013		Taylor & CHALLENGE UK	P. 5361	100 TONS	6 TONS	8 KW
146	14 Pneumatic Hammer	F007	2300030030	Anyang China	C41 - 150 Kg	150 KG	4760	18.50
147	15 Band Saw Machine	R001	2300020107	Metora, UK	VMR250	Ø 250	750Kg	2.6
148	16 Band Saw Machine	R003	2300020113	Saw Master				1.75
149	17 Band Saw Machine	R002	2300030019	China	GB4025	Ø 250	750Kg	1.75
150	18 Shot Blast - Table Type	O001	2300020185	Shot Blast Engg. PAKISTAN	SBM102	300 Kg / Charge	--	3
151	19 Shot Blast - Drum Type	O003		Shot Blast Engg. PAKISTAN		300 Kg		5
152	20 Continuos Heating Furnace	F018		TEIL, PAKISTAN		200 Kg / Hr		1.5
153	21 Heating Furnace	F004	2300020133	TEIL, PAKISTAN	--	200 Kg/Hr		1
154	22 Heating Furnace	F005	2300020031	TEIL, PAKISTAN	--	200 Kg/Hr		1
155	23 Heating Furnace	F019		TEIL, PAKISTAN		100 Kg / Hr		1
156	24 Normalizing Furnace	HQ008	2300020173	Agothem Germany	5523	600X400X1000 mm 1100° c	4000	2
157	25 Padestral Grinder	O002	2300020147	F. LAEISZ, Germany	--	--	150KG	1
158	26 Centre Lathe	TL013		Pak-Rizwan		Ø 300	1000	3.7
159	27 Blade Welding (Butt Welding Machine)	R004	2300020194	Pakistan				--
160	28 Over Head Travelling Crane	R005	2300020123					--
AUXILIARY EQUIPMENT								
161	1 Air Compressor	A005	2300020155	Compair, Germany	START 031	86 cmf	~270	18.5
162	2 Air Compressor	A013		Compair, Germany	L-18	86 cfm	338	18.5
163	3 Gantry Crane	A006	2300020074			2 ton		--
164	4 Over Head Travelling Crance	A007	2300020071			1 ton		--
165	5 Hydraulic Pallet Trolley	A008	2300020072			2.5 ton		--
166	6 Hand Press	A009	2300020108			5 ton		--
167	7 Electric Welding Transformer	A010	2300020140			--		--
168	8 Hydraulic Staightening Press	A011		Pakistan		15 ton		2
169	9 Hydraulic Staightening Press	A012		Pakistan - Auto Touch		50 Ton		3
170	10 Electric Generator	A014		Cummins		250 KVA		
171	11 CO ² Arc Welding Machine	A015		China	ZP7-400	400 Amp		
172	12 CO ² Arc Welding Machine	A016		China	ZP7-400	400 Amp		