

# World-class Facilities

## State-of-the-Art Facilities for Reliability and Precision

As Indonesia's largest turbomachinery service provider, Taka Turbo operates advanced, internationally certified facilities. High-tech machinery ensures precise repairs, overhauls, and re-engineering of critical rotating equipment for reliable results.

### Main Equipment

No	Equipment	Machine Name/ Type	Spesification
1	Horizontal Lathe Machine	Cartenz/ Hitachi 10784	Swing over bed = 4500mm, Between centre = 16800mm, Power = 3ph, 55kW, 380V
		Rinjani/ Niles DP1S2	Swing over bed = 4000mm, Between centre = 16800mm, Power = 3ph, 90kW, 380V
		Kerinci/ Niles DP1S3	Swing over bed = 2600mm, Between centre = 10000mm, Power = 3ph, 45kW, 380V
		Semeru/ Tuda	Swing over bed = 2800mm, Between centre = 8000mm, Power = 3ph, 45kW, 380V
		Krakatau/ Niles DP1S3-2	Swing over bed = 1600mm, Between centre = 3000mm, Power = 3ph, 45kW, 380V
		Safir/ Mazak Mark II YAMAZAKI	Swing over bed = 600mm, Between centre = 3000mm, Power = 3ph, 7.5kW, 220V
		Bubut Namsun/ Namsun	Swing over bed = 580mm, between centre = 1300mm, Power = 3ph, 7.5kW, 380V
		Ruby/ Chin yeh	Swing over bed = 300mm, Between centre = 1300mm, Power = 3ph, 3kW, 380V
		Kodok/ Veb DP 1250	Swing over bed = 600mm, Between centre = 3000mm, Power = 3ph, 45kW, 380V
		Topaz/ MAZAK Yamazaki 1500	Swing over bed= 250mm, Between centre=1500mm, Power=3phasa 200Vac
		Stanko 165/ Stanko 165	Swing over bed = 1000mm, Between centre = 2800mm, Power = 3ph, 22kW, 380V
2	Vertical Lathe Machine	Vtl Sedin/ 1525	Dia chuck = 2250mm, Column hight = 1200mm, Power = 3ph, 55kW, 380V
		Vtl Cincinnati/ 1859	Dia chuck = 3100mm, Column hight = 1900mm, Power = 3ph, 45kW, 380V
3	Milling Machine	Milling Namsun/ Sizouka NSM-T 9133	Table : 1000 X 250 mm, X-Axis : 1000 mm, Y-Axiz : 300 mm, Z-Axis : 400 mm, Power : 3 ph, 1.5 kW, 380 V
		Milling Avemax/ 4 K 3	Table : 1000 X 250 mm, X-Axis : 1000 mm, Y-Axiz : 300 mm, Z-Axis : 320 mm, Power : 3 ph, 1.5 kW, 380 V
		Milling Csepel/ MU - 5	Table : 1600 X 500 mm, X-Axis : 1200 mm, Y-Axiz : 500 mm, Z-Axis : 400 mm, Power : 3 ph, 11 kW, 380 V
		Milling Reckermann/ Kombi - 1800	Table : 1800 X 560 mm, X-Axis : 1500 mm, Y-Axiz : 500 mm, Z-Axis : 400 mm, Power : 3 ph, 11 kW, 380 V
		Portable Maching Centre/ Sizouka NSM-T 9133	Motor speed : 1725 rpm, Spindle taper : Morse no 3, Spindle : 44 to 450 rpm, Centre spindle : 2 - 8 "
		Bench Saw/ Amada H250SA Pite blade type	Dia. 250mm. 200v 3phasa 2.2Kw
4	Drilling Machine	Line Boring/ Collet BF 130	Table : 4000 X 3000 mm, X-Axis : 3500 mm, Y-Axiz : 2500 mm, Z-Axis : 1150 mm, Power : 3 ph, 16 kW, 380 V

4	Drilling Machine	Line Boring/ CNC GSK GSK 980 TDb	X-Axis : 150 mm, Y-Axis : 0 mm, Z-Axis : 2200 mm, Power : 3 ph, 12 kW, 380 V
		Radial Drill/ Heckert BR40/2X1250	Table : 900 X 1400 mm, Spindle movement: 280 mm, Column movement : 1250 mm, Arm movement : 14000 mm, Power : 3 ph, 380 V, 5 kW
		Magnetic Drill/ Unibor E 100	-
		Magnetic Drill/ Unibor E 50	-
		Magnetic Drill/ Metabo MAG 32 A & B	Spindle speed : 700 rpm, Max drill : 32 mm, Open height : mm, Power : 1 ph, 220 V, 1 kW
5	Grinding Machine	Surface Grinding/ HMTW BF 130	Table : 1000 X 300 mm, X - Axis : 1000 mm, Y - Axis : 300 mm, Z Axis : 500 mm, Power : 3 ph, 380 V, 10 kVA
		Cylindrical Machine nt/ext/ Cincinnati 5U7H5SN-1	24" x 100" / 600 MM x 2500 MM
		Tool Post Grinder/ Dumore 8577	Wheel Dia : 11 to 12 "", Spindle speed : 3450 rpm, Spindle pulley : no 7, Motor pulley : no 8, Power : 3 ph, 380 V, 5 Hp
		Tool Post Grinder/ Vertex	Wheel Dia : 6 ", Spindle speed : 2800 rpm, Power : 3 ph, 380 V, 1 hp
		Tool Post Grinder/ Vertex VGR - 165	Wheel Dia : 8 x 3/4 x 3/4 inchi, Spindle speed : 2800 rpm, Power : 3 ph, 380 V, 1 hp
		Bench Grinding/ Makita GB801	Wheel size : dia 205x19x15.88 mm, Rpm : 2850 /min, Power : 1 ph, 220 v, 550 w
		Belt Sender/ Dynabrade VL 3315 - 50	Abrasive belt size : 2"Wx36"L, Spindel speed : 2850 rpm, Power : 1 ph, 220 V, 2 hp
6	Balancing Machine	Balancing 125 Ton/ SCHENK H 90 S	Diameter : 4000 mm, Length : 15000 mm, Weight : 125000 Kg, Power : 3 ph, 380 V, 90 kW
		Balancing 32 Ton/ SCHENK HM 7 BU	Diameter : 3000 mm, Length : 7500 mm, Weight : 32000 Kg, Power : 3 ph, 380 V, 30 kW
		Balancing 3 Ton/ SCHENK HM 40 BU	Diameter : 1500 mm, Length : 4000 mm, Weight : 3000 Kg, Power : 3 ph, 380 V, 7.5 kW
7	Onsite Lathe & Balancing Machine	Bromo 1m100t/ -	Rotor dia 4000 mm
		Integrated 32 T/ -	Rotor dia 3000 mm, Max weight 32 ton
8	Welding GTAW	Welding Gtaw Miller 35A/ Syncrowave 350 LX	S/N : LE 164237, AC / DC 350 A, Power : 2 ph, 380 V, 17.4 kW
		Welding Gtaw Miller 35B/ Syncrowave 350 LX	S/N : MB 120049L, AC / DC 350 A, Power : 2 ph, 380 V, 17.4 kW
		Welding Gtaw Miller/ Syncrowave 350 LX	S/N : LF 140090, AC / DC 250 A, Power : 2 ph, 380 V, 1.28 kW
		Welding Gtaw Lincoln/ Lincoln Optimarc 350 TP	S/N : Z1240301074, AC / DC 350 A, Power : 3 ph, 380 V, 15 kW
		Gtaw Esab/ ET 180i	-
9	Welding STAW	Welding Smaw/ Miller Blue Thunder 403	MF 190578D, Out current : 400 A, Load volt : 35 V, Power : 3 ph, 380 V, 25 A
		Smaw Wintech Inverter Welding/ ARC_400	Power: 3 Ph, 380 V, 31 A
10	Welding GMAW	Mig Arc Welding/ Lincoln powerplus 500	Wire feeder: PWF-4SS, Weld curr: 400A, Wire dia: 1,6-2,4 mm, Power: 380 V 3 ph 52 A
		Mig Arc Welding/ Panasonic YD-500KR	Output 60A/17V~550A/41V input 3ph 380V 56A
11	Welding SAW	Power Control	Miller Dimension 812, Miller HDC 1500 A, Power : 3 ph, 380 V, 73.8 A
12	Post Weld Heat Treatment	Pwht/ Stork 16050	Max load per output : 135 A, Max element per out : 3X2.7 kW, Power : 3 ph, 380 V, 50 kVA
		Pwht Globe/ GHT1001	3 x 2,7 KW / 45 A / 50 KVA
13	Welding Laser	Welding Laser/ HI-YEW 300 W Mobile Flexx	Max peak power : 9 kW, Max pulse Energi : 90 Joule, Max mean output : 300 W, Z - Axis : 420 mm, X - Axis : 340 mm, Y - Axis : 320 mm, Arm travel inn : 1500 mm, Power suply : 3ph, 380 v
		RAYCUS RFL-C025-CE	S/N: 60004092 WXCE21137014, Power: 220 V 50/60 Hz Max 35A
		Welding Laser Robot/ Kuka KR C5 dual cab ac	S/N: KR20R1820-2E/SEL, Power: 3 Ph, 380 Volt, 32 A

14	HVOF	HVOF Coating/ DJFEW	Flow meter: DJF sulzer metco, Powder mix : Flame spray , teknologi PF - 500 HP, Power : 1 ph, 220 v, 2.5 A
		HVOF Coating/ Durajet HV 3800 - High Velocity Oxy-Fuel (HVOF) S	Fuel Type: LPG / Propane (others), Powder Feeder: DM 1200 – PF or Model DM PF-55.
15	Plasma Cutting	Plasma Cutting/ Expert cut-100	Power: 380V 3ph 23A, Curr range: 21-100A, Air pressure: 4-5 bar, Thickness: 1-40 mm
		Plasma Cutting Otc-daihen/ Super plasma D-12000 model : TRC-121	120A 3ph 28,3KVA 27,5KW Max cutting cap 60 mm
16	Blasting Facilities	Blasting/ Wet blast EcoQuip Vapor EQ100M	Working pressure : 30-94 psig, Operating temp : 35-110 *F, Air consumption : 165-375 cfm, Abrasive consumt : 2 lb/min, Abrasive cap : 100-550 lbs, Blast hose size : 1 " ID
		Blasting/ Sandblast (1) Clemco	Working pressure : 30-94 psig, Air consumption : 165-375 cfm, Abrasive consumt : 2 lb/min, Abrasive cap : 100-550 lbs, Blast hose size : 1 " ID
		Blasting/ Sandblast (2) Clemco	Working pressure : 30-94 psig, Air consumption : 165-375 cfm, Abrasive consumt : 2 lb/min, Abrasive cap : 100-550 lbs, Blast hose size : 1 " ID
		Collector/ -	Cap: 12500 m3/h, 22 kW

## Supporting Equipment

No	Equipment	Machine Name/ Type	Spesification
1	Air Compressor	Atlas copco GA 30 +	P max : 7.5 bar - 108 psi, Q v : 92.5 l/s - 196 cfm, n motor : 2955 rpm, Power : 3 ph, 380 v, 40 HP
2	Air Compressor	Atlas Copco 11 kw - G11P A 8,5 FM	Qv : 26,6 L/s = 56,4 cfm, Pmax : 8,5 bar = 123,3 psi. Power = 380 v 11kW 3 phasa
3	Air Compressor	Krisbow CPPBD0209	Qv : 0,17 m3/min, Pmax : 10 kgf Power = 220 v 2 kW 1 phasa
4	Portable Compressor	Hitachi Bebicon	P max : 7.5 bar / 108 psi, Q v : l/s - cfm, n motor : 2955 rpm, Power : 3 ph, 380 v, 5 HP
5	Stacking Platform	-	Cap dia : 2300 mm, Cap weight : 30.000 kg, Lifting cap : 3000 kg
6	Air Riveting Machine	Dong Jin DR 110	Riveting cap : dia 10 less, Stroke : 30 - 50 mm, Range of timer : 0.1 - 9.9 sec, Air pressure : 2 - 5 bar, Open height : 125 - 230 mm, Power : 1 ph, 220 V, 0.75 kW
7	Cut Of Machine	Makita	Wheel size : dia 355x3x25.4 mm, Rpm : 3800 /min, Power : 1 ph, 220 v, 1500 w
8	Hydraulic Pump	Enerpack	700 bar
9	Generating Set Diesel	Harteck 135 kVA	Output : 135 kVA, Current : 205 A, Voltage : 380 - 3 ph - 50 Hz, Speed : 1500 rpm

## Lifting Device

No	Equipment	Machine Name/ Type	Spesification
1	Overhead Crane 3.2 Ton	Konecranes HHX : 18557	Load cap : 3200 kg, Lifting height : 9 m, Hoisting speed : 3.2/0.53 m/min, Traversing speed : 20/5 m/min, Traveling speed : 32/8 m/min, Power : 3 ph, 380 v, 3.9 kW
2	Overhead Crane 32/ 5 Ton	Konecranes HHX: 19124	Load cap : 32000/5000 kg, Lifting height : 9 m, Hoisting speed : 3.2/0.53 m/min, Traversing speed : 20/5 m/min, Traveling speed : 32/8 m/min, Power : 3 ph, 380 v, 22 kW
3	Overhead Crane 40/ 5 Ton A	Konecranes TI - 020	Load cap : 40000/5000 kg, Lifting height : 9 m, Hoisting speed : 3.2/0.53 m/min, Traversing speed : 20/5 m/min, Traveling speed : 32/8 m/min, Power : 3 ph, 380 v, 32.2 kW
4	Overhead Crane 40/ 5 Ton B	Konecranes TI - 021	Load cap : 40000/5000 kg, Lifting height : 9 m, Hoisting speed : 3.2/0.53 m/min, Traversing speed : 20/5 m/min, Traveling speed : 32/8 m/min, Power : 3 ph, 380 v, 32.2 kW
5	Overhead Crane 1 Ton	-	Load cap : 1000 kg, Lifting height : 2 m, Power : 3 ph, 380 v, 750 W
6	Forklift	Hyundai 30L - 7 M	Load cap vertical : 1750 kg, Lifting height : 6000 m, Truck weight : 4710 kg, Fuel : LPG

7	Manual Hydraulic Lifter	Krisbow CYSD-1	Cap : 1000 kg, Lifting height : 90-1600 mm
8	Hand Pallet	Nansin	Cap : 2500 kg

## Test Device

No	Equipment	Machine Name/ Type	Spesification
1	Outside Micrometer	Mitutoyo	0-25 mm to 0-1000 mm (69 variants)
		Insize	25-50 mm (1 variant)
		Europe	1000 mm to 2200 mm (6 variants)
2	Inside Micrometer	Mitutoyo	0-25 mm to 0-4000 mm (9 variants)
		Starret	0-100 to 0-300 mm (1 variant)
3	Depth Micrometer Analog	Mitutoyo	0-300 mm (1 variant)
4	Digital Caliper	Mitutoyo	0-300 mm (5 variants)
		Insize	0-300 mm (2 variants)
5	Electronic Instrument	Lutron	-
		Dillon	50000 kg/ 50 ton
		STI Vibration	7.87 mV/mm or 200 mV/mil
		Novotest	HRC,HRB
		Mitutoyo	-
		Dekko	0-1250 Micron
		Smart Sensor	(-10)-50 °C /5-98 %RH
6	Bore Gauge	Bore Gauge/ Mitutoyo	18-150 mm (3 variants)
		Depth Gauge Digital/ Mitutoyo	0-12 mm/0.001 mm (3 Variants)
		Digital Height Gauge/ Mitutoyo	0-300 mm
		Torque Wrench/ Norbar	700-1500 N.m
7	Other Tools	Radius Gauge/ Mitutoyo	1.0-25 mm (3 variants)
		Telescopic Gauge/ Mitutoyo	8 - 150 mm (4 Variants)
		Pi Tape/ USA	Ø 48 "- 84" to 50" - 1200" (5 Variants)
		Precision Level/ Mitutoyo/ Krisbow	150 - 200 mm
		Mal Ulir/ Mitutoyo	0.35-60 mm
		Precision Square/ Mitutoyo	100 x 70 mm to 100 x 150 mm (2 Variants)
		Precision Block Gauge/ Conventory Gauge	1-100 mm
		Adjustable Paralel Set/ Starret	" $\frac{3}{8}$ - $\frac{1}{2}$ (9.5-12.7 mm) - $1\frac{5}{16}$ - $1\frac{3}{4}$ (33.3-44.5 mm)"
		Combination Square Set/ Mitutoyo	-
		Universal Bevel Protactor/ Mitutoyo	-
		Welding Gauge/ Fuji Tool/ Nigata Seiki	-

	Knife Edge/ Mitutoyo	0 - 225 mm
	Straight Bar/ Mitutoyo	0,3
	Dial Indicator/ Mitutoyo	0-10 mm to 0-50 mm (14 Variants)
	Dial Test Indicator/ Mitutoyo	0-1.0 mm to 0-1.5 mm (10 Variants)
	Steel Ruler/ Deli	0-150 mm (7 Variants)
	Measuring Tape/ Wipro	0-2000 mm (7 Variants)

