



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	Brand	Spesification
1	Horizontal Lathe Machine	Chien Yeh CY800CF	Swing Ø 460 mm × 1500 mm
		Yamazaki	Swing Ø 480 mm × 3500 mm
		Kuraki	Swing Ø 1440 mm × 6000 mm
		Namsun Shizuoka	Swing Ø 580 mm × 1500 mm
		Neils	Swing Ø 2400 mm × 10000 mm
		Tuda	Swing Ø 2400 mm × 6000 mm
		Hitachi Big Lathe	Swing Ø >5000 mm × 10000 mm
2	Vertical Lathe Machinet	Cincinati	Swing Ø 3000 mm × 1500 mm
		Sedin	Swing Ø 1500 mm × 1500 mm
3	Milling Machine	First	Bridgeport Type
		Namsun Shizuoka	Universal Milling Machine
4	Drilling Machine	Krisbow	Max. Ø. 20 mm

5	Arc Welding	KX 300	300 A
		National	250 A
6	TIG Welding	Miller Syncrowave 250	AC/DC 310 A
		Miller Syncrowave 250 DX	AC/DC 310 A
		Miller Syncrowave 350 LX	AC/DC 350 A
7	Oxyfuel Welding	-	-
8	Laser Welding	-	-
9	Surface Grinding	HMTW M7130	300 x 1000 mm
10	Hacksaw	Pobeda	Max. Ø 10"
11	Air Compressor	Hitachi Bebicon	PB 3,7 PA
		Atlas Copco	GA 37+, 197 CFM
12	TIG Welding	Schenck H 40 BU	3 Ton Capacity
		Schenck HM 7 BU	32 Ton Capacity
		Schenck H90S	125 Ton Capacity
13	Thermal Spray Coating/ HVOF	Sulzer Metco DJ 2700	-
14	CNC Milling Machine	Hurco VMX 42	1 Unit
		Hurco VM 24	2 Unit
15	Electrical Run Out	Sulzer	-
16	Burnishing Tool	Elliot Tool Tech	S2300-00
17	Surface Roughness Comparator	Starret	Microfinish
18	Blasting Machine	-	600 kg Sand Pot Capacity
		-	Water Jet Blading
19	Heat Treatment Machine	-	Stork Cooper Heat
20	Line Boring Machine	-	TOP
21	Over Speed Test Simulator	-	Over 10.000 Rpm test
22	Tool Post Grinder	Dynabrade 64993	2" X 36 " Belt Size

Supporting Equipment

No	Equipment	Brand	Spesification
1	Micrometers (Outside)	Krisbow	Max. Ø. 20 mm
2	Micrometers (Inside)	Krisbow	Max. Ø. 20 mm
3	Calipers (Vernier, Dial, Digital)	Mitutoyo	Range 0-2000 mm
4	Height Gage (Vernier & Digital)	Mitutoyo	Range 0-300 mm / 0-600 mm
5	Depth Gage (Vernier & Digital)	Mitutoyo	Range 0-200 mm / 0-300 mm

6	Dial Indicators (Magnetic Base)	Mitutoyo	Accuracy 0.01 mm & 0.001"
7	Radius Gages & Thread Gages	Mitutoyo, Starret, Hunter, Brutch Ruegger	Metric & Inch sets
8	Telescoping Gage Set	Tesa	Full set
9	Precision Tools	Mitutoyo, Coventry Gauge	V-Block, Block Gage, Straight Edge
10	Rotor Weight Measurement	Nagata	Electronic Scale 5 Ton Capacity
		Dillon	Electronic Scale 50 Ton Capacity
11	Other Specialized Measuring Devices	Bentley-Nevada, Fluke	Vibrometer, Thermometer

Test Device

No	Equipment	Brand	Spesification
1	Hardness Tester	GE	35158 LPU 8R
2	Coating Tickness	Time Group Unc	TT220
3	Portable Material Analyzer	Thermo Sceintific	Up to 16 particles

Non Destructive Test (NDT)

No	Equipment	Brand	Spesification
1	Ultrasonic Test	KrautKramer, Karl Deutsch	USL - 32, Echograph 1090
2	MPI	Magnaflux	P-90 – 750 A max
3	UV Light	Labino	PH 135
4	Gauss Meter (Filed Indicator)	Magnaflux	Digital Clamp Meter; Model: Kew Snap 2003
5	Penetrant Test	Magnaflux, Heron, Ardrex	Fluorescent & Red Dye
6	Yoke	Parker	DA 2005
7	ASME Field Direction Indicator	Magnaflux	E087922

Lifting Device

No	Equipment	Brand	Spesification
1	Chain Hoist	-	1 Ton Capacity
2	Chain Block	-	1 Ton, 8 Ton, and 15 Ton Capacity
3	Forklift	-	3 Ton Capacity
4	Overhead Crane	Kone Crane	Multiple capacity (Lifting capacity of up to 80 tons)