



# GD Tech Equipment List

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# Equipment Overview

Manufacturing Sites	Type of Equipment							Total Equipment	Total Machining Hours
	CNC 5 Axis	CNC Horizontal	CNC 3 Axis	CNC Lathe	EDM	Grinding	Conventional		
<b>GDTZZ</b>	0	1	6	0	0	0	0	<b>7</b>	3,640
<b>GDPSH</b>	1	2	19	5	0	3	6	<b>36</b>	18,720
<b>GDTDG</b>	2	1	38	8	2	4	11	<b>66</b>	34,320
<b>Grand Total:</b>	<b>3</b>	<b>4</b>	<b>63</b>	<b>13</b>	<b>2</b>	<b>7</b>	<b>17</b>	<b>109</b>	<b>56,680</b>
<b>%</b>	3%	4%	58%	12%	2%	6%	16%	<b>100%</b>	

*Note: GDTDG, GDPSH & GDTZZ denotes Dongguan, Zhuzhou and Shanghai facilities respectively. Above machining hours are base on 20 hrs, 26 days calculation.*



# CNC 5 Axis



- **Machine Brand: Mazak**
- **Model: Variaxis 630-5x**
- **Travel Dist. (mm): 630 (X) x 765 (Y) x 510 (Z) x 150° (A) x 360° (C)**
- **Max Spindle Speed: 12,000 rpm**



- **Machine Brand: Mazak**
- **Model: Variaxis 500-5x**
- **Travel Dist. (mm): 510 (X) x 510 (Y) x 460 (Z) x 150° (A) x 360° (C)**
- **Max Spindle Speed: 12,000 rpm**

# CNC Horizontal



- **Machine Brand: Makino**
- **Model: A51**
- **Travel Dist. (mm): 400 (X) x 400 (Y) x 1,160 (Z)**
- **Max Spindle Speed: 12,000 rpm**



- **Machine Brand: Mazak**
- **Model: FH8800**
- **Travel Dist. (mm): 1,300 (X) x 1,100 (Y) x 1,000 (Z)**
- **Max Spindle Speed: 10,000 rpm**



- **Machine Brand: Mazak**
- **Model: FH4000**
- **Travel Dist. (mm): 560 (X) x 510 (Y) x 630 (Z)**
- **Max Spindle Speed: 12,000 rpm**

# CNC 3 Axis



➤ **Machine Brand: AWEA**

➤ **Model:**

- ✓ SP3016
- ✓ LP4021Y

➤ **Travel Dist. (mm): 4,200 (X) x 2,100 (Y) x 1,200 (Z)**

➤ **Max Spindle Speed: 8,000 rpm**

➤ **Machine Brand: Mazak**

➤ **Model:-**

- ✓ VTC-200C
- ✓ Nexus 510C-II
- ✓ Nexus 410A-II

➤ **Max Travel Dist. (mm): 1,651 (X) x 508 (Y) x 508 (Z)**

➤ **Max Spindle Speed: 12,000 rpm**

➤ **Machine Brand: Hurco**

➤ **Model:-**

- ✓ VMX 84
- ✓ VMX 64
- ✓ VMX 42
- ✓ VMX 24
- ✓ VMX 10
- ✓ VM 1

➤ **Max Travel Dist. (mm): 2,134 (X) x 864 (Y) x 762 (Z)**

➤ **Max Spindle Speed: 10,000 rpm**

# CNC Lathe



- **Machine Brand: Mazak**
- **Model: QTN150-II**
- **Travel Dist. (mm): 315 (X) x 545 (Z)**
- **Max Spindle Speed: 5,000 rpm**



- **Machine Brand: Mazak**
- **Model: QTN200-II**
- **Travel Dist. (mm): 535 (X) x 1,045 (Z)**
- **Max Spindle Speed: 4,000 rpm**



- **Machine Brand: Hyundai KIA**
- **Model: SKT600**
- **Travel Dist. (mm): 640 (X) x 800 (Z)**
- **Max Spindle Speed: 3,000 rpm**

# EDM



## ***Die-Sinking***

- ***Machine Brand: Charmilles***
- ***Model: Roboform 350***
- ***Travel Dist. (mm): 350 (X) x 250 (Y) x 300 (Z)***



## ***Wire-cut***

- ***Machine Brand: Charmilles***
- ***Model: Robofil 440cc***
- ***Travel Dist. (mm): 550 (X) x 350 (Y) x 400 (Z)***

# Grinding



➤ **Machine Brand: Kent**

➤ **Model:-**

✓ KGS-250AHD

✓ KGS-510AHD

✓ KGS-620AHD

➤ **Max Travel Dist. (mm): 2,230 (X) x 660 (Y) x 600 (Z)**

# QA Equipment Overview

Manufacturing Sites	Type of Equipment							Total Equipment
	CMM	Profile Projector	Height Gage	Hardness Tester	Roughness Tester	Coating Thickness Tester	Spectrometer	
<b>GDTZZ</b>	1	0	1	0	0	0	0	<b>2</b>
<b>GDPSH</b>	2	1	2	2	1	1	0	<b>9</b>
<b>GDTDG</b>	3	1	3	4	1	2	1	<b>15</b>
<b>Grand Total:</b>	<b>6</b>	<b>2</b>	<b>6</b>	<b>6</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>26</b>

# QA Equipment Summary

Manufacturing Sites	Brand	Hexagon	Carl Zeiss			Mitutoyo			Spectro	Trimos	Tesa HITS	-	-
	M/C Type	CMM	CMM			CMM	Profile Projectors	Roughness Tester	Spectrometer	Height Gages		Coating Thickness Tester	Hardness Tester
	Model	Romer RA-7520	Contura G2 RDS	Spectrum 1066	Spectrum 7106	Crysta-Plus 7106	PJ-H3000F	SJ-301	SPECTROMAXx	V600+	Micro-Hite Plus M600	-	-
<b>GDTZZ</b>		0	1	0	0	0	0	0	0	0	1	0	0
<b>GDPSH</b>		0	1	0	0	1	1	1	0	0	2	1	2
<b>GDTDG</b>		1	0	1	1	0	1	1	1	1	2	2	4

# Key Measuring Tools



## **CMM**

- **Machine Brand: Carl Zeiss**
- **Model:-**
  - ✓ Contura G2 10216 RDS
  - ✓ Spectrum 1066
  - ✓ Spectrum 7106
- **Max Measuring Range (mm):**  
2,100 (X) x 1,000 (Y) x 600 (Z)
- **Measuring Error (um):**  $2.8 + L/300$   
( $0.110 + L/300$ )



## **Profile Projector**

- **Machine Brand: Mitutoyo**
- **Model: PJ-H3000F**
- **Measuring Range (mm):** 300 (X) x 100 (Y)
- **Resolution (mm):** 0.001 / 0.0005
- **Magnification Accuracy:** +/- 0.15% or less



## **Digital Height Gage**

- **Machine Brand:-**
  - ✓ Trimos
  - ✓ Tesa HITS
- **Model:-**
  - ✓ V600+
  - ✓ Micro-Hite Plus M600
- **Max Measuring Range (mm):** 0 - 615
- **Measuring Error (um):** 20

# Key Inspection Tools



## **Metal Analyser**

- **Machine Brand:** Spectro
- **Model:-**
  - ✓ SpectroMaxx
- **Applications:**
  - ✓ All steel
  - ✓ Alu. Alloy
  - ✓ Copper Alloy

## **Coating Thickness Tester**

- **Machine Brand:** Kett
- **Model:** LZ-370
- **Application:**
  - ✓ Paint consistency
  - ✓ Anodizing
  - ✓ Coat Weight

## **Surface Roughness Tester**

- **Machine Brand:-**
  - ✓ Mitutoyo
- **Model:-**
  - ✓ SJ-301
- **Application:** -



**Thank You !**

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