

## Equipment(1): for Shape Forged Disk

Delivery: ~June. 2026

\*Adoptable Spec.: **AMS 2154, AMS 2631**

\*Main Inspection: **Aero Engine Disk Forged Parts**

•Which class of AMS-2154 is considered? **Class AAA**

•Is this machine intended for the lab or the production? **The Production**

•Inspection will be after surface machining? **After Surface Machining**

•Inspection Target Material: **Titanium, Nickel Alloy**

•Inspection Target Part: **Forged Disk**

•Inspection Method: **A, B, C Scan available**

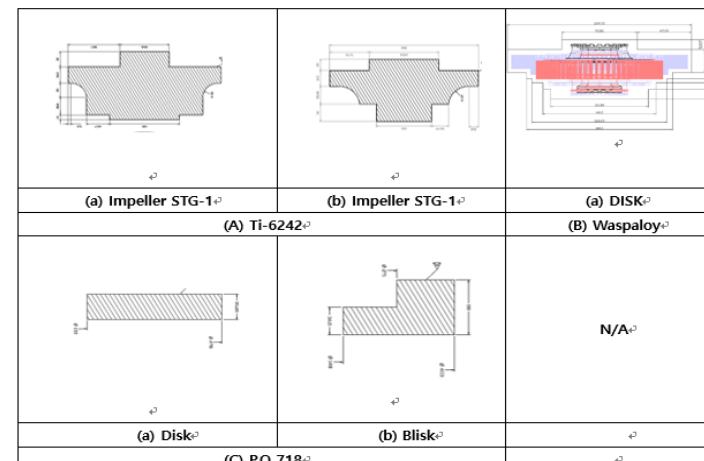
•Weight Range of Inspection Target: **10~30kg(Ti), 15~16kg(Ni)**

•This equipment shall accommodate shape forgings including R surfaces

### ❖ Inspection Size & Weight

Material <sup>④</sup>	Item <sup>④</sup>	Size (mm) <sup>④</sup>			Weight <sup>④</sup> (Kg) <sup>④</sup>
		OD <sup>④</sup>	ID <sup>④</sup>	L <sup>④</sup>	
Ti-6242 <sup>④</sup>	Impeller STG-1 <sup>④</sup>	310 <sup>④</sup>		163 <sup>④</sup>	24.5 <sup>④</sup>
	Impeller STG-2 <sup>④</sup>	285 <sup>④</sup>		142 <sup>④</sup>	14.5 <sup>④</sup>
Waspaloy <sup>④</sup>	Disk (3 종) <sup>④</sup>	229.72 <sup>④</sup>		80.58 <sup>④</sup>	16.4 <sup>④</sup>
P.Q 718 ↓ (Inconel 718) <sup>④</sup>	Disk <sup>④</sup>	478 <sup>④</sup>	133 <sup>④</sup>	35.46 <sup>④</sup>	50.4 <sup>④</sup>
	Blisk <sup>④</sup>	403 <sup>④</sup>	148 <sup>④</sup>	58 <sup>④</sup>	48.0 <sup>④</sup>

### ❖ Shape



**PQ-82-0126-Rev.2-KPCM LS-500**

(12th. Jan., 2026)

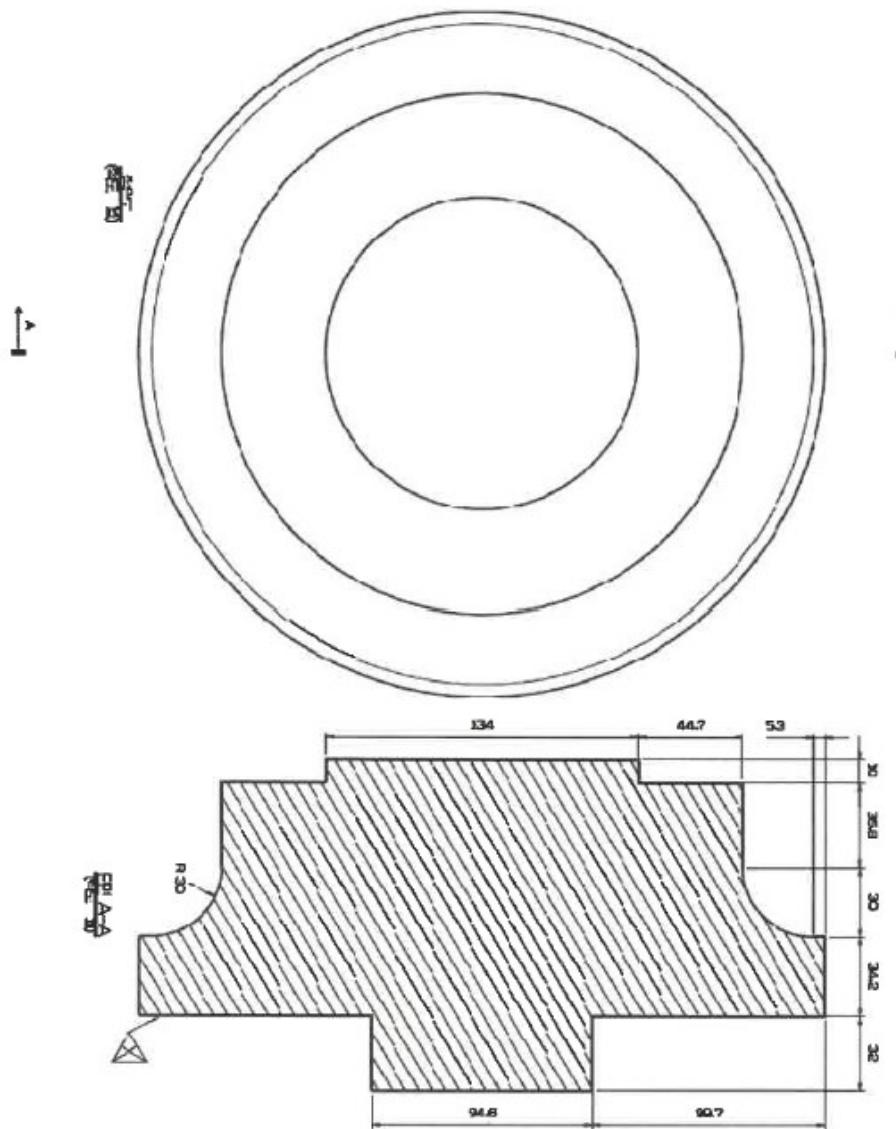
-Max. outer diameter = 500mm

-Max. part height = 200mm

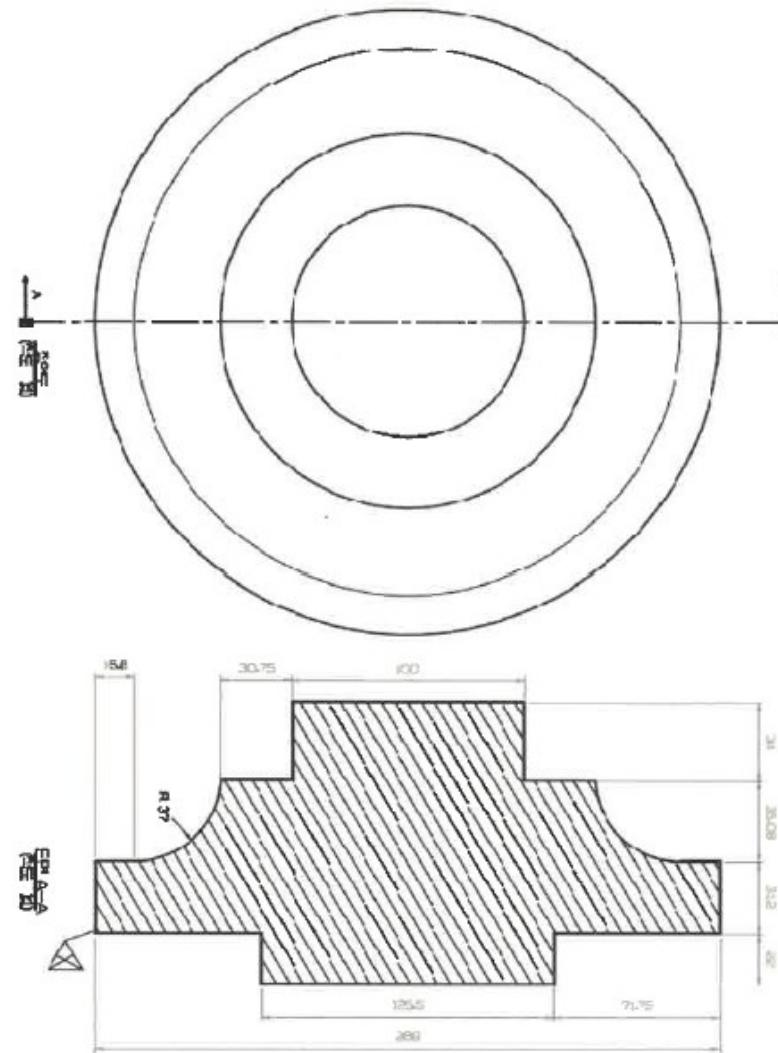
-Max. part Weight = 200kg

-Water tank size: 1400 x 1150 x 700(H)

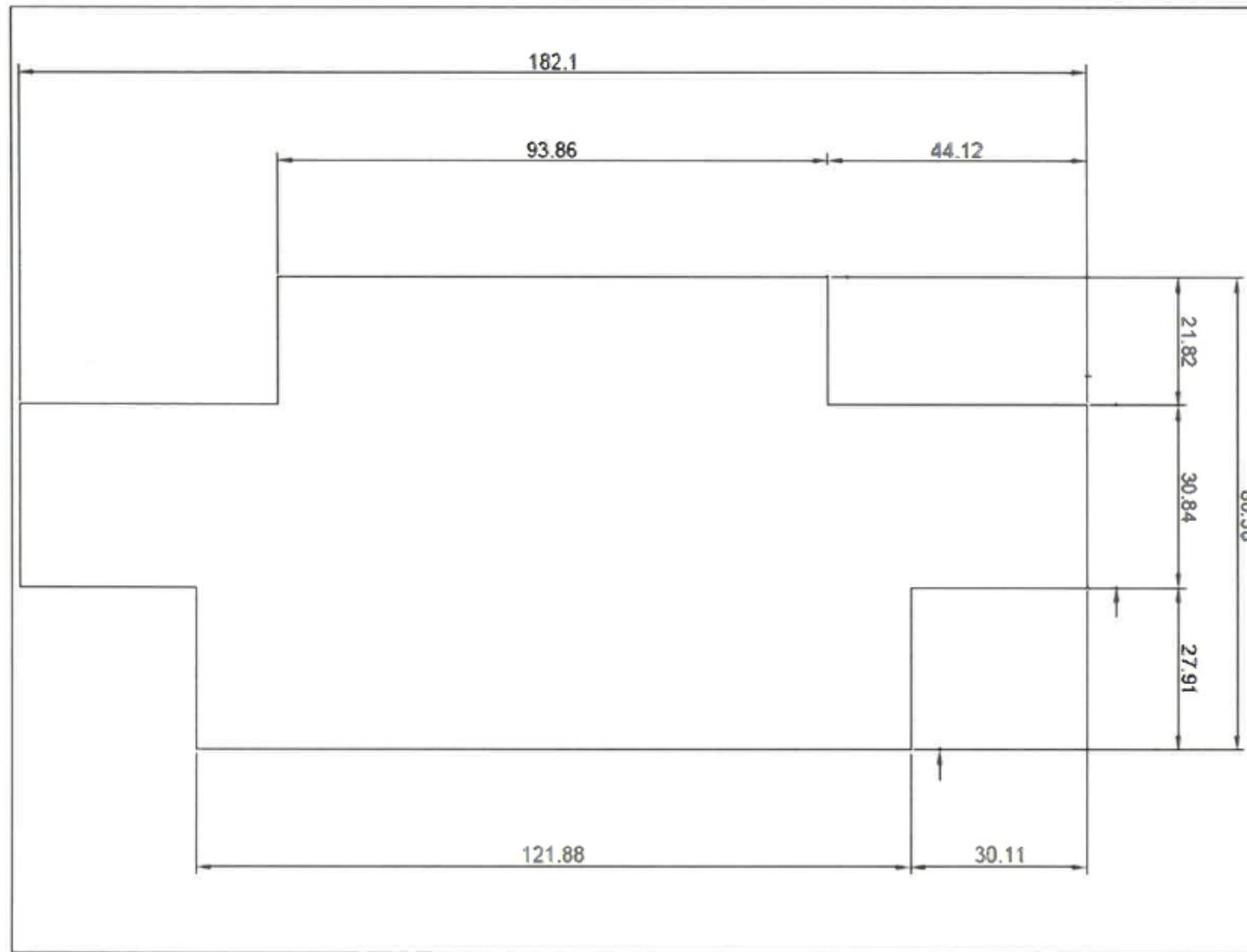
-No Phase Array



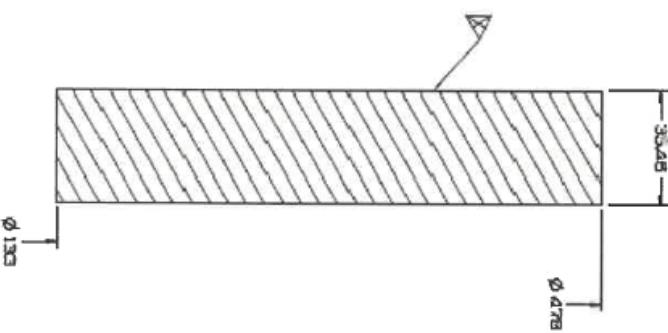
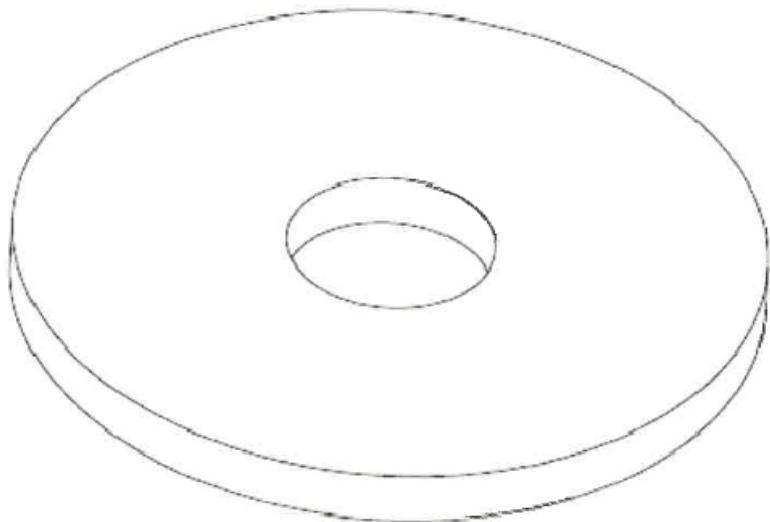
**Impeller STG-1  
OD310 x 163L**



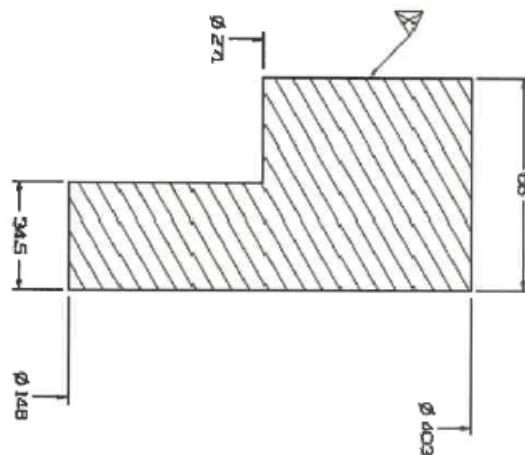
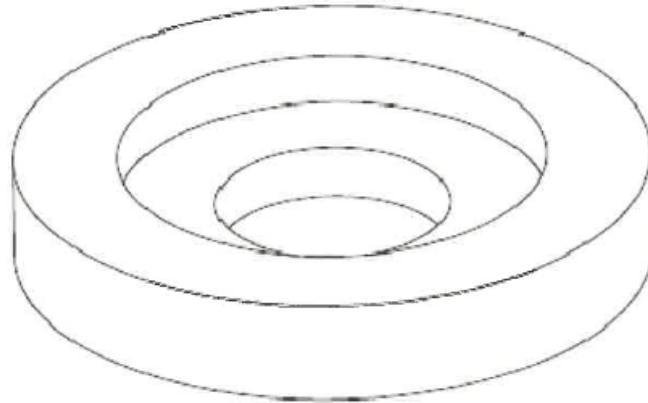
**Impeller STG-2  
OD285 × 142L**



**DISK**  
**OD182.1 × 80.58L**



**BLISK**  
OD478 × ID133 × 35.46L



**DISK**  
OD403 × ID148 × 58L

## Equipment(2): for RING & Disk

Delivery: ~June. 2026

\*Adoptable Spec.: **AMS 2154**

\*Main Inspection: **Defense Forged Parts**

•Which class of AMS-2154 is considered? **Class AA or Class AAA**

•Is this machine intended for the lab or the production? **The Production**

•Inspection will be after surface machining? **After Surface Machining**

•Inspection Target Material: **Aluminium Alloy, S/S, Titanium Alloy, Inconel**

•Inspection Target Part: **Forged Disk**

•Inspection Method: **A, B, C Scan available**

•Weight Range of Inspection Target: **1000, 2000kg**

•Daily inspection quantity: **As much as possible**

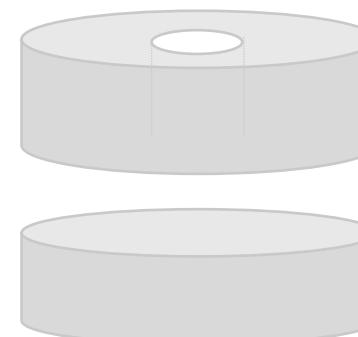
•Monthly production volume: **50EA/Month**

•Please review the possibility of increasing the ring up to OD2,000 or OD3,000

### ❖ Inspection Size & Weight

Matl.	Item	Size(mm)			Weight(kg)
		OD	ID	L	
AI-7075	Ring	550	330	500	205
	Disk	1000		300	636

### ❖ Shape



**PQ-81-0126-Rev.1-KPCM LS-200LP-1200**

(12th. Jan., 2026)

- Max. outer diameter = 1200mm
- Max. part height = 1200mm
- Max. part Weight = 2000kg

- Water tank size: 1800 x 2100 x 1400(H)
- No Phase Array
- Motorized Chucking

## Equipment(3): for Billet & Round Bar

\*Adoptable Spec.: **AMS 2154**

\*Main Inspection: **Aero Engine Disk Forging**

\*Which class of AMS-2154 is considered? **Class AA**

• Is this machine intended for the lab or the production? **The Production**

• Inspection will be after surface machining? **After Surface Machining**

• Inspection Target Material: **Titanium Alloy, 15-5PH, Inconel**

• Inspection Target Part: **Forged**

• Inspection Method: **A, B, C Scan available**

• Weight Range of Inspection Target: **~5000kg (Rough estimate, can be negotiated)**

• Daily inspection quantity: **At least 5 bars / day**

### ❖ Inspection Size & Weight

Matl.	Item	Size(mm)			Weight(kg)
		OD	ID	L	
Ti-6Al-4V	Billet	102~ 407		3000~ 5000	3000

### ❖ Shape



### ❖ Water Tank Design Review Request

- Max. part Weight = 5000kg
- Water tank size: 6000 x 3000 x 1500(H)

## Equipment(4): for Square Bar & Plate

\*Adoptable Spec.: **AMS 2154**

\*Main Inspection: **Aero Engine Disk Forging, Slabs**

\*Which class of AMS-2154 is considered? **Class AA**

• Is this machine intended for the lab or the production? **The Production**

• Inspection will be after surface machining? **After Surface Machining**

• Inspection Target Material: **Titanium Alloy, 15-5PH, Al Alloy**

• Inspection Target Part: **Forged**

• Inspection Method: **A, B, C Scan available**

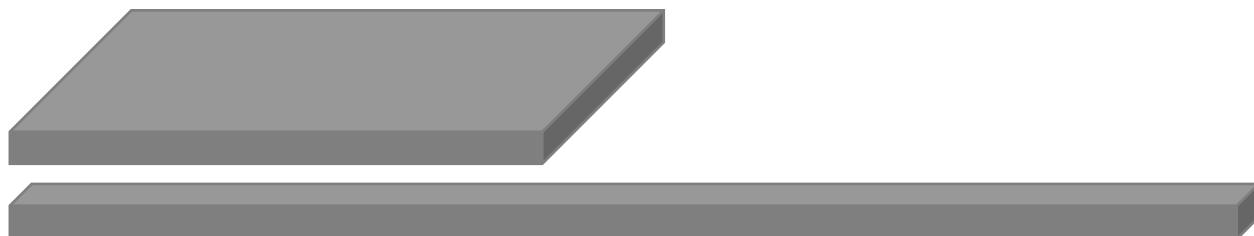
• Weight Range of Inspection Target: **~5000kg (Rough estimate, can be negotiated)**

• This equipment shall accommodate both small sized blocks and long square bars upto 5,000mm in length.

### ❖ Inspection Size & Weight

Matl.	Item	Size(mm)			Weight(kg)
		T	W	L	
Ti-6Al-4V	Plate	300	650	1200	1100
Ti-6Al-4V	S/Bar	300	300	5000	2,000

### ❖ Shape



### ❖ Water Tank Design Review Request

-Max. part Weight = 5000kg  
-Water tank size: 6000 x 3000 x 1000(H)