

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

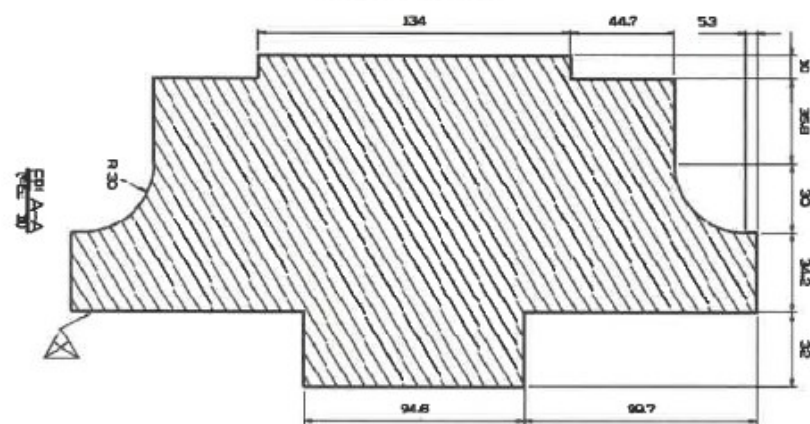
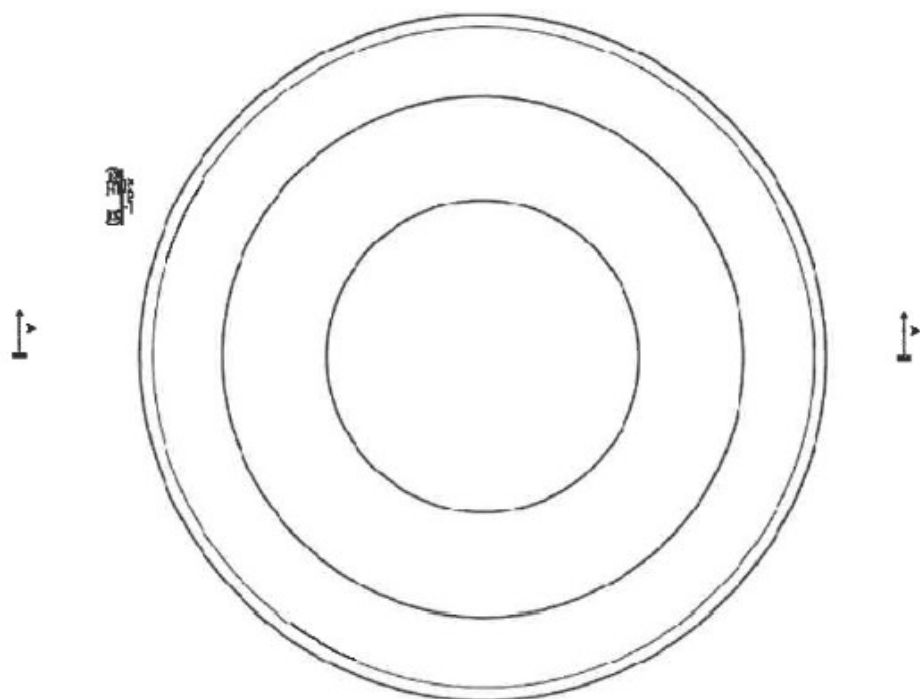
❖Shape

(a) Impeller STG-1↕	(b) Impeller STG-1↕	(a) DISK↕
(A) Ti-6242↕		(B) Waspaloy↕
		N/A↕
(a) Disk↕	(b) Blisk↕	↕
(C) P.Q 718↕		↕

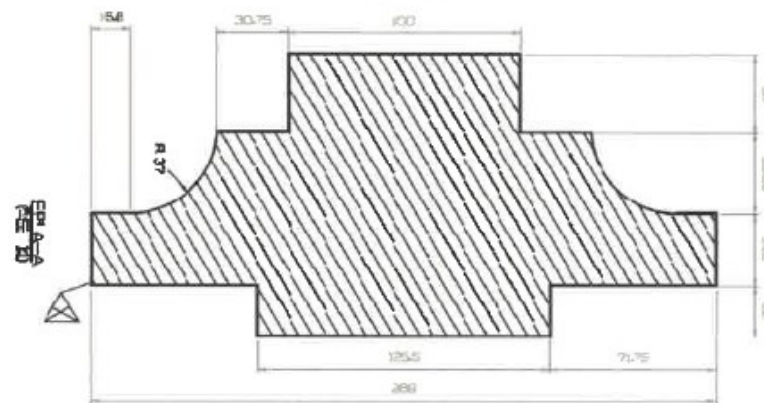
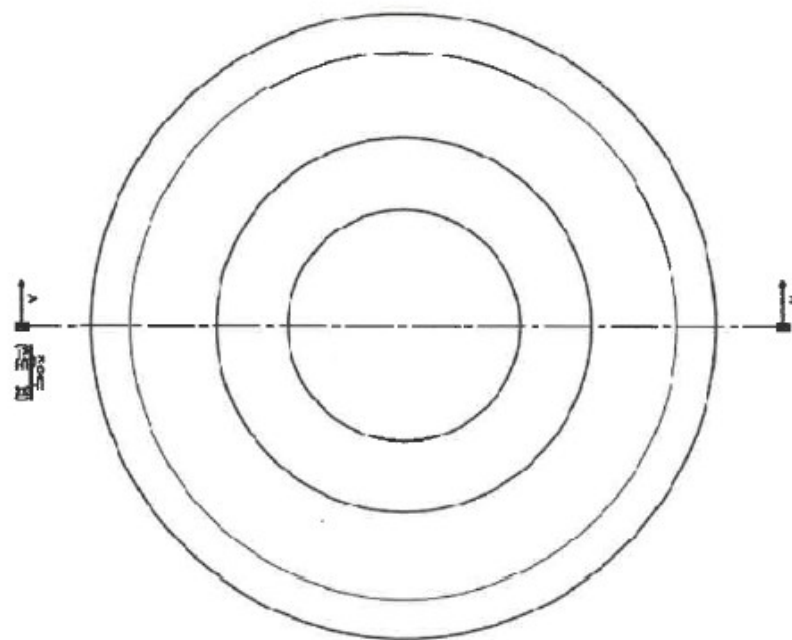
PQ-82-0126-Rev.2-KPCM LS-500

- (12th. Jan., 2026)
- Max. outer diameter = 500mm
  - Max. part height = 200mm
  - Max. part Weight = 200kg

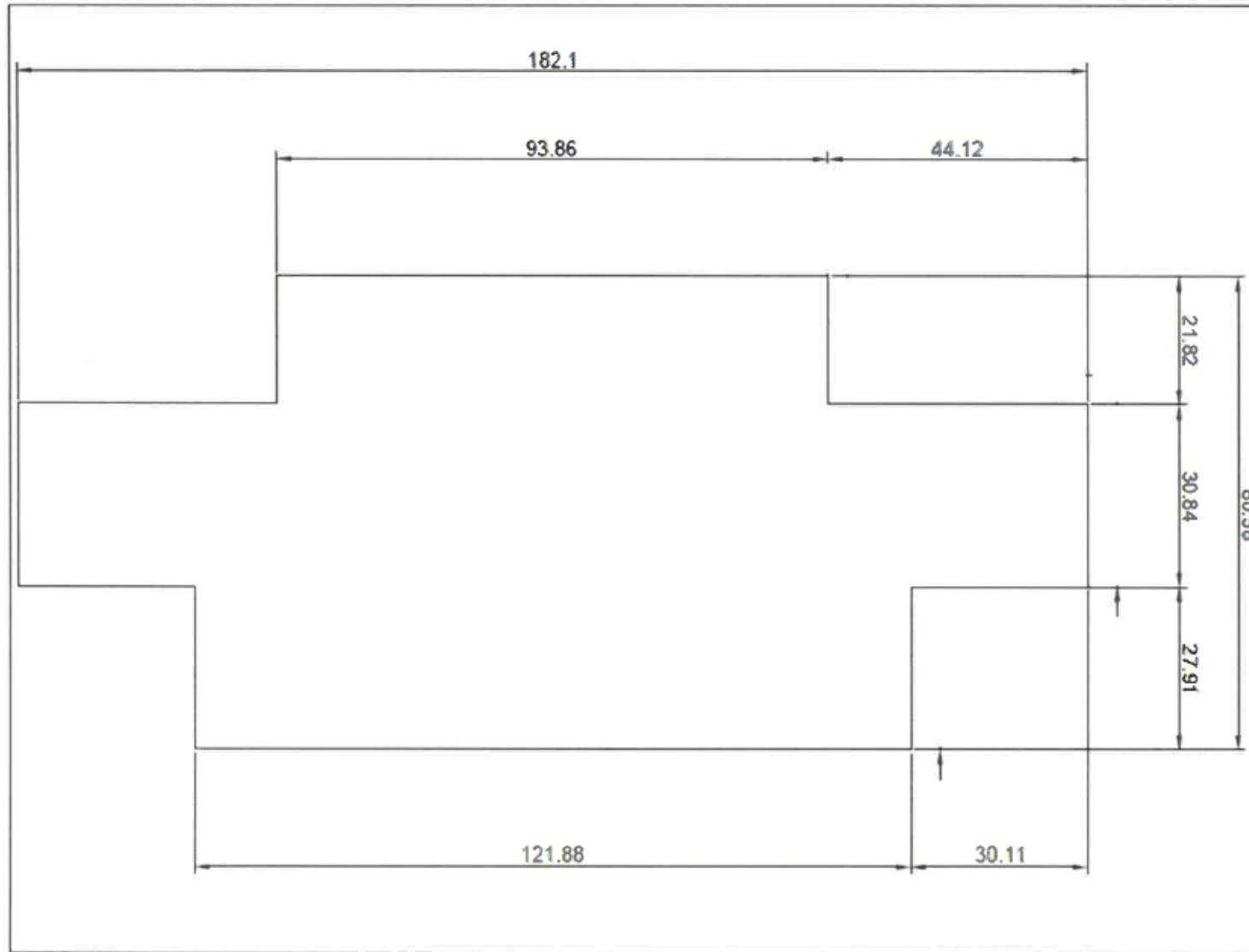
- Water tank size: 1400 x 1150 x 700(H)
- No Phase Array



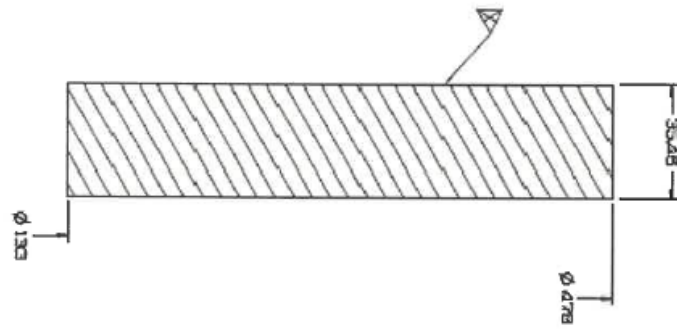
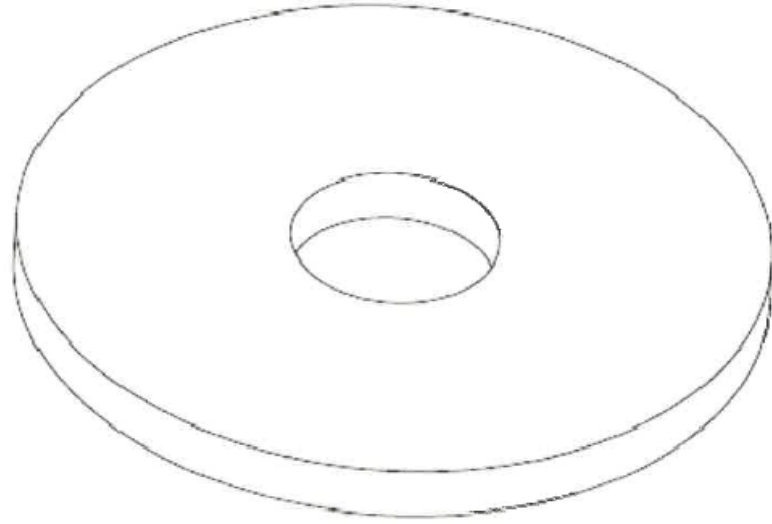
**Impeller STG-1**  
OD310 × 163L



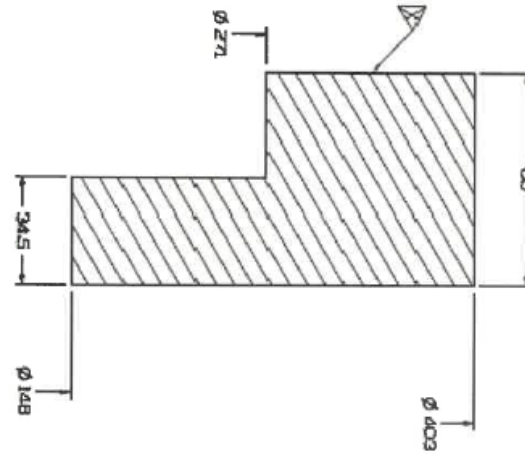
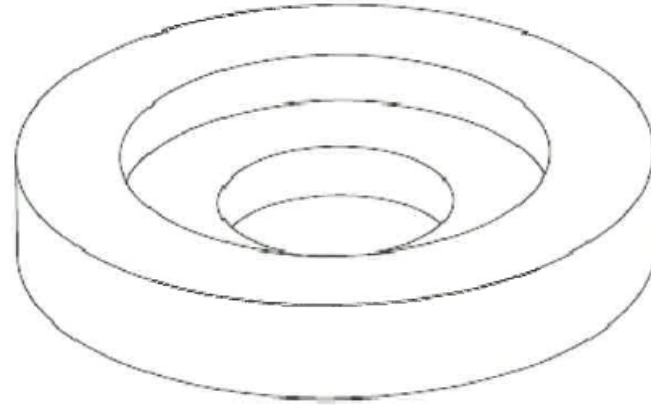
**Impeller STG-2**  
OD285 × 142L



**DISK**  
**OD182.1 × 80.58L**



**BLISK**  
**OD478 × ID133 × 35.46L**



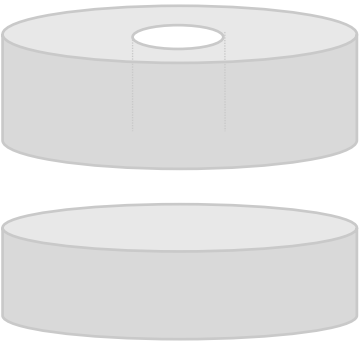
**DISK**  
**OD403 × ID148 × 58L**

- \*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

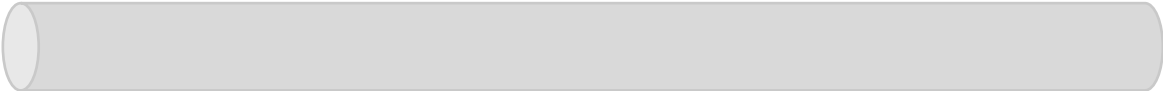
Equipment(3): for Billet & Round Bar

- \*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)

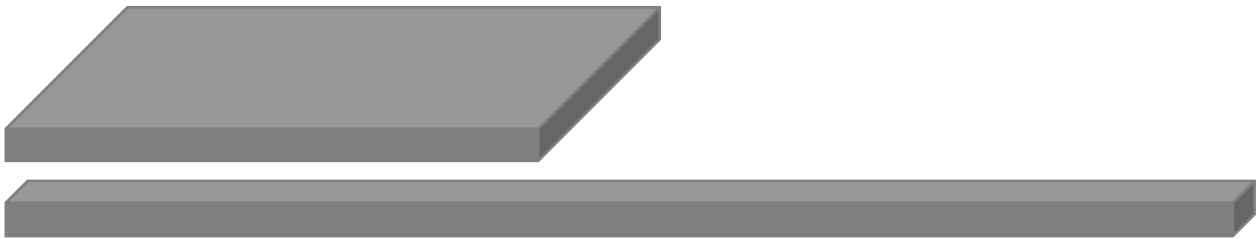
## Equipment(4): for Square Bar & Plate

- \*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)