



**Noura Co.**

*Metal 3D parts document report*

*Mr. Mohammadi*

Material: Ti6Al4V



031-33931363-4



09226729461



Isfahan/Iran

[WWW.Noura3DP.com](http://WWW.Noura3DP.com)

## 1. Customer

Name	<b>Mr. Mohammadi</b>
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## 2. Ordered part information

Part name	Specimen
Number of Parts	6
Material	<b>Ti6Al4V</b>
Surface treatment	Not Requested
Heat treatment / Stress relief	Requested

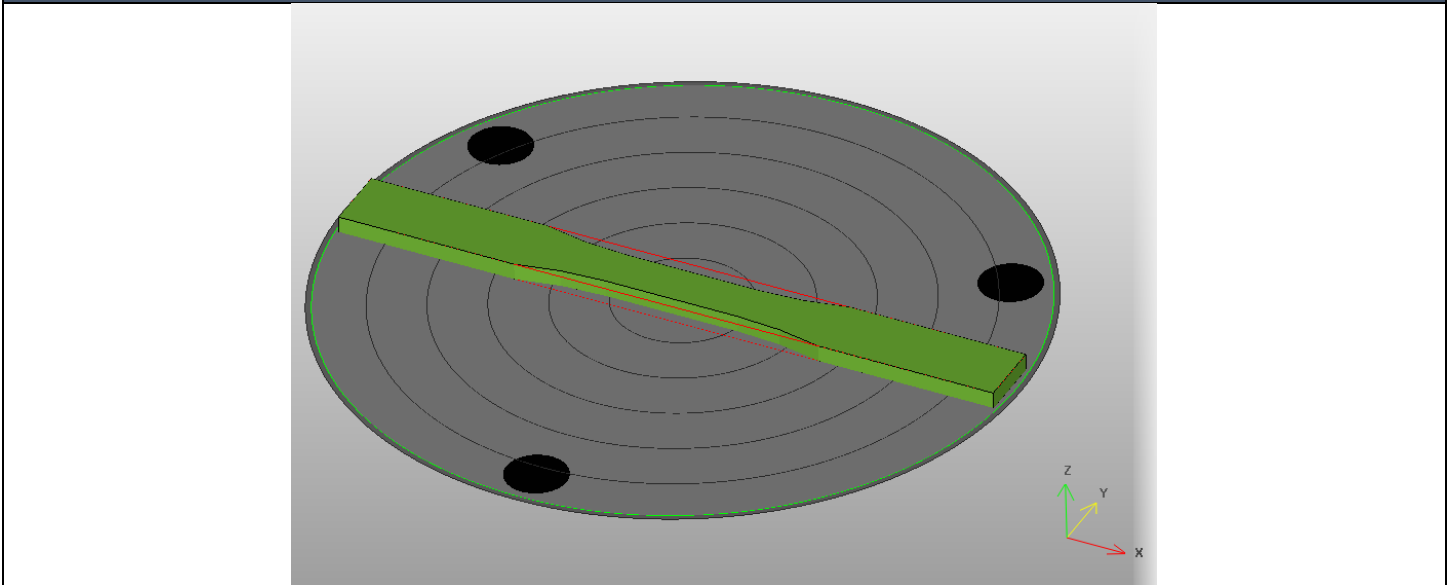
## 3. Produced Part information

File name/Order No.	401M988
Number of Parts	6
Specific orientation in the platform	Yes (Please see the section 5)
Removing from the platform	Yes
Removing supports	Not Required
Surface treatment	Not Required
Heat treatment / Stress relief	Stress Relived

## 4. Process information

SLM Machine	<b><i>Noura M100P</i></b>
Number of slices	100
Powder consumption	176 g
Build Time	4 hr
Layer Thickness	30 $\mu\text{m}$
Energy Density	X $\text{J}/\text{mm}^3$
Machine Maximum Laser power	300 W
Scan parameters	Noura M100P Optimized parameter
Powder characteristics	Gas atomized / ( $<65 \mu\text{m}$ )
Platform size (D-Z) [mm]	124-150

## 5. Build Orientation



## 6. Metallographic test

Porosity test method	No
Number of samples	-
Average porosity [%]	-

## 7. Remarks

The samples were successfully built by selective laser melting (SLM) process with Noura M100P machine.

## 8. Document information

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