

# SFM

Steel Fabrication Manufacturer

## WELDED STEEL FABRICATIONS

for machine building and  
industrial equipment

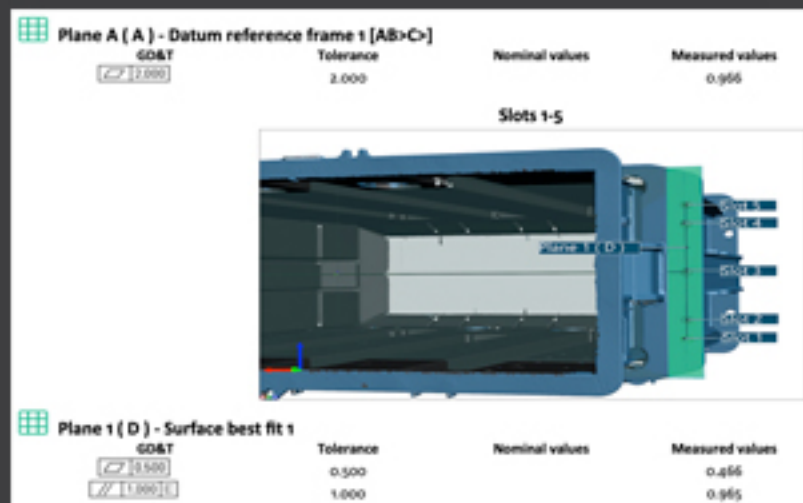
*Committed To Quality.  
Committed To You.*



# QUALITY

*Committed to Quality. Committed to you.*

- ✓ **5 person quality department**
- ✓ **Quality department budget - 30% from whole administration block**
- ✓ **3D scanning with most advanced technology in whole BALTICS from CREAFORM**





# 3D SCANNING

**Most advanced 3D dimensional scanning among fabricators in Baltics by Metra SCAN from Creaform**

Accuracy	0.025mm
Volumetric accuracy	0.064mm
Measurement resolution	0.025mm
Measurement rate	1.800.000/s
Part size range	0.2-6m





# 3D SCANNING SOFTWARE VXINSPECT

The screenshot displays the VXINSPECT software interface. The main window shows a 3D model of a mechanical part with a color deviation map. The interface includes a top menu bar (File, Tools, View, Configure, Help), a toolbar with various inspection tools, and a left-hand navigation pane. The central area contains several data tables for different features, and a bottom-right summary table. A laptop in the foreground shows the same software interface.

**Slot 35**

Dimension	Nom.	Val.	Dev.
X + 5,000 -5,000	699,000	697,027	-1,973
Y + 5,000 -5,000	355,000	351,637	-3,363
Z + 5,000 -5,000	-582,500	-585,345	-2,845
Length + 1,000 -1,000	25,000	24,620	-380
Width + 1,000 -1,000	15,000	2,000	-17,000
$\phi$ 10,000 A   B   C   D		6,105	
$\phi$ 6,000 A   R   D   C   D		11,848	

**Slot 36**

Dimension	Nom.	Val.	Dev.
X + 5,000 -5,000	699,000	697,060	-1,940
Y + 5,000 -5,000	325,000	322,860	-2,140
Z + 5,000 -5,000	-582,500	-583,747	-1,247
Length + 1,000 -1,000	25,000	25,000	0,000
Width + 1,000 -1,000	15,000	14,596	-414
$\phi$ 10,000 A   B   C   D		4,375	
$\phi$ 6,000 A   R   D   C   D		7,504	

**Plane 8**

**Plane 27**

**Plane 4**

Dimension	Nom.	Val.	Dev.
$\parallel$ 2,000 C		1,994	

**Slot 27**

Dimension	Nom.	Val.	Dev.
X + 3,000 -3,000	-1348,000	-1348,242	-0,242
Y + 3,000 -3,000	-814,500	-814,437	0,063
Length + 1,000 -1,000	28,000	28,271	0,271
Width + 1,000 -1,000	18,000	18,411	0,411
$\phi$ 3,000 A   B   C   D		0,857	
$\phi$ 3,000 A   B   C   D		1,607	

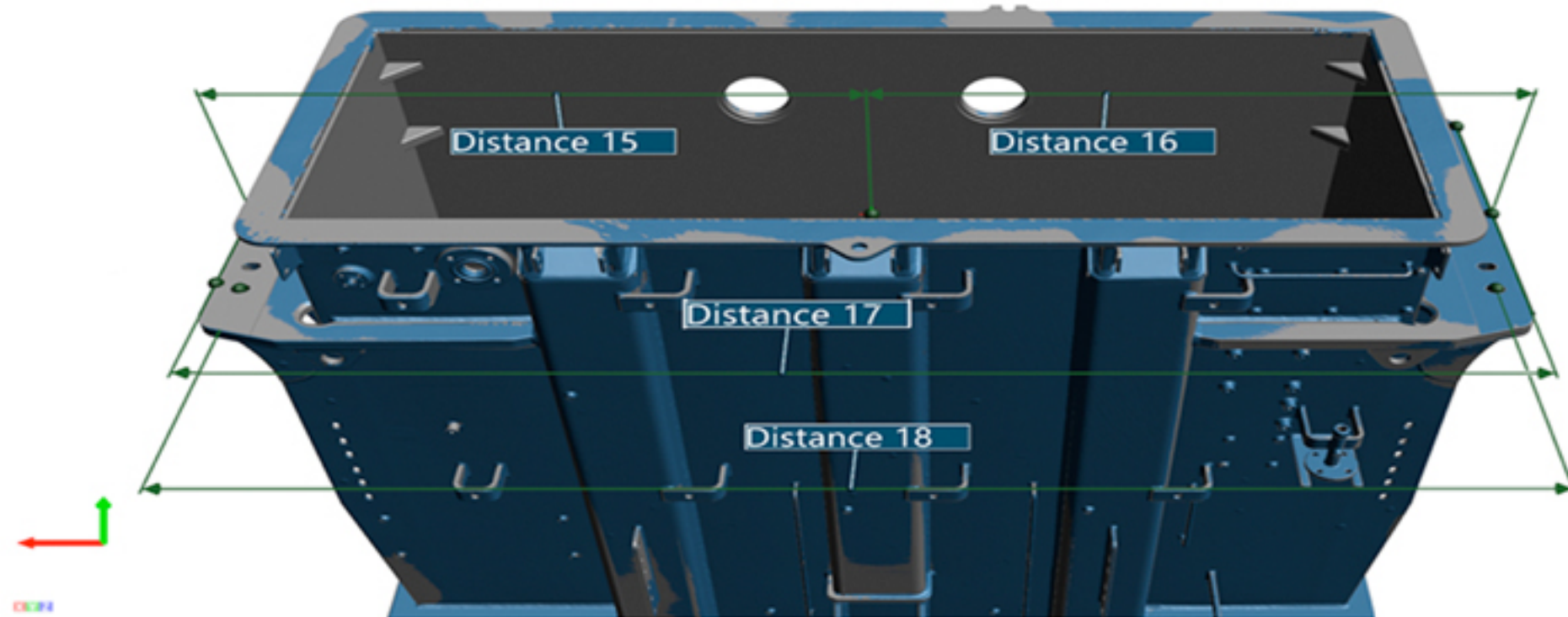
**Slot 11**





Dimension	Nom.	Val.	Dev.
X + 3,000 -3,000	620,000	619,884	-116
Y + 1,500 -1,500	-960,500	-960,413	0,087
Z + 1,500 -1,500	-628,500	-627,515	0,985
Length + 3,000 +0,000	28,000	29,313	1,313
Width + 1,000 +0,000	17,999	18,975	0,976
$\phi$ 3,000 A   B   C   D		1,636	
$\phi$ 3,000 A   B   C   D		1,861	

**Summary Table**

Counterpart dimension	Tolerance	Nominal	Measured	Deviation	Tendency	Out of tol.
X	+ 3,000 -3,000	-1348,000	-1348,242	-0,242		0,000
Y	+ 3,000 -3,000	-814,500	-814,437	0,063		0,000
Z	+ 3,000 -3,000	-470,000	-471,133	-1,133		0,000
Length	+ 1,000 -1,000	28,000	28,271	0,271		0,000
Width	+ 1,000 -1,000	18,000	18,411	0,411		0,000
z	+ 1,000	0,000	3,013	3,013		2,013
$\phi$ 3,000 A   B   C   D	3,000		0,857			
$\phi$ 3,000 A   B   C   D	3,000		1,607			

# 3D SCANNING SOFTWARE VXINSPECT



	<b>Line 7 - Datum reference frame 1 [AB&gt;C&gt;]</b>				
	GD&T	Tolerance	Nominal values	Measured values	Deviations
		2.000		0.313	
	<b>Distance 15 - Datum reference frame 1 [AB&gt;C&gt;]</b>				
	Dimensions	Tolerance	Nominal values	Measured values	Deviations
	3D	+3.000 -1.000	1550.000	1549.154	-0.846
	<b>Distance 16 - Datum reference frame 1 [AB&gt;C&gt;]</b>				
	Dimensions	Tolerance	Nominal values	Measured values	Deviations
	3D	+3.000 -1.000	1550.000	1549.155	-0.845