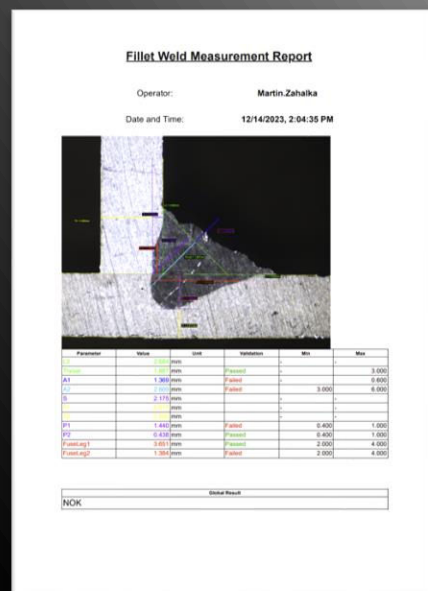
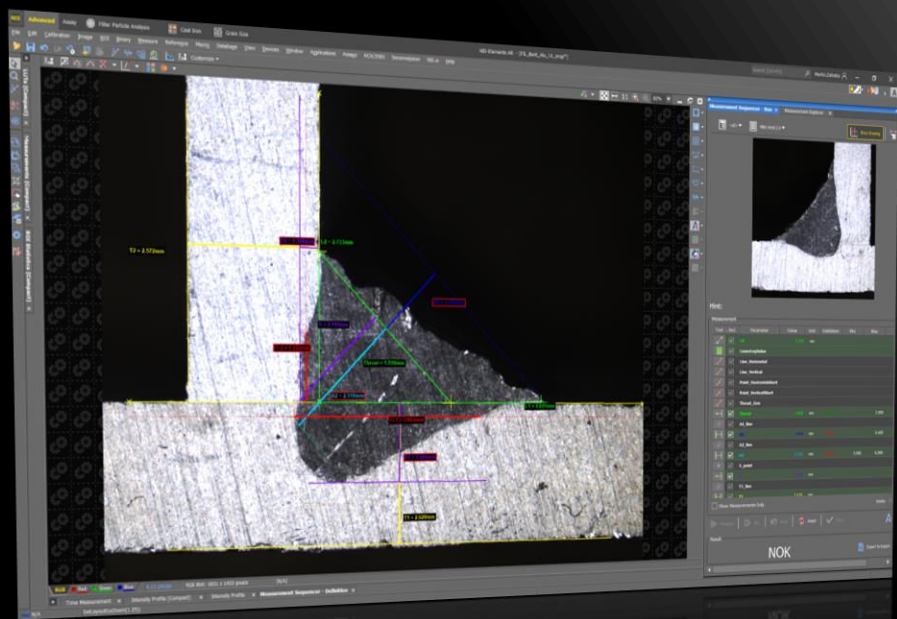


# Measurement Sequencer



Discover more about  
the complete solution  
for weld  
measurement

## ➤ Automated measurement definitions

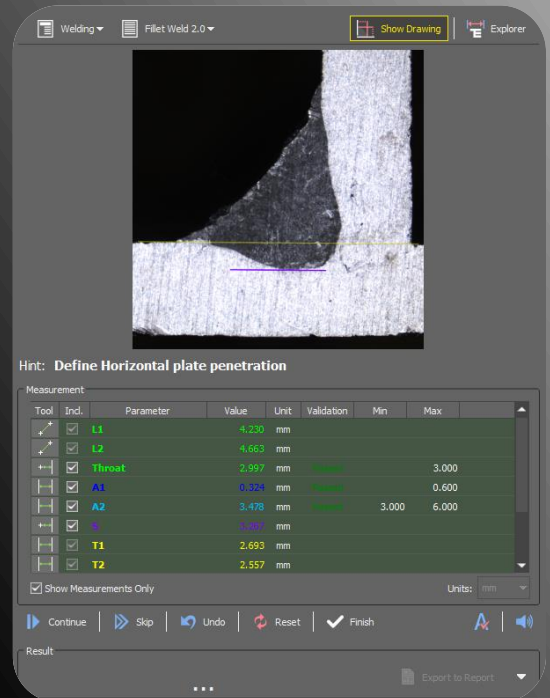
E.g. predefined ISO 5187 Fillet & Butt welds and custom-defined recipes

## ➤ Guided measurement perfect for mitigating user errors

No more forgotten steps and missing measurements in your reports

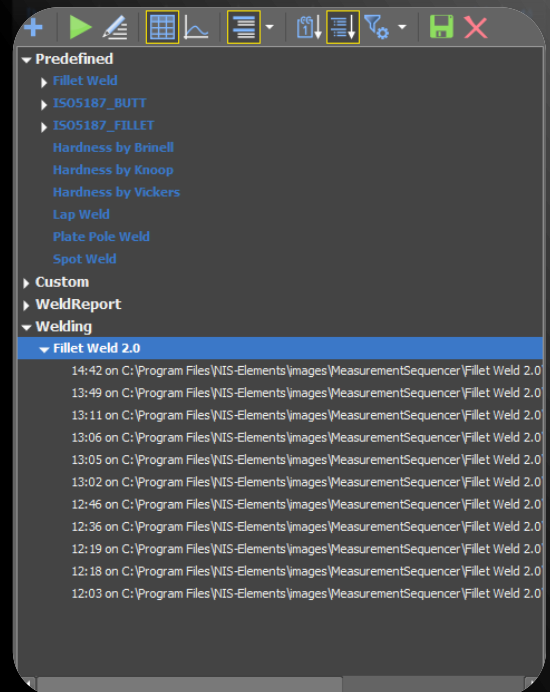
## ➤ Guiding Scheme for measurement drawings

- Follow guidelines shown on scheme and tips for convenient, easy and flawless measurements
- Aim and click to place measurements
- Mitigate forgotten steps during long procedures
- Text to speech guide



## ➤ Predefined measurement definitions including:

- ISO 5187 Butt weld
- ISO 5187 Fillet weld
- Hardness by Brinell
- Hardness by Knoop
- Hardness by Vickers
- Plate Pole Weld
- Spot Weld
- Lap Weld
- Fillet Weld
- User-defined measurement definitions



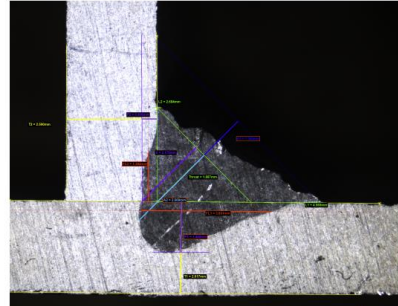
## ➤ Report

- Complete report including image with geometrical drawings
- Measurement table with limits and validations
- Global Result indication
- Export into PDF, RTF or MS Excel templates
- Image export in TIF,JP2, BMP, JPG
- Define custom report for your definitions

### Fillet Weld Measurement Report

Operator: **Martin.Zahalka**

Date and Time: **12/14/2023, 2:04:35 PM**



| Parameter  | Value | Unit | Validation | Min   | Max   |
|------------|-------|------|------------|-------|-------|
| L2         | 2.68  | mm   | -          | -     | -     |
| Throat     | 1.88  | mm   | Passed     | -     | 3.000 |
| A1         | 1.369 | mm   | Failed     | -     | 0.000 |
| A2         | 2.609 | mm   | Failed     | 3.000 | 6.000 |
| S          | 2.175 | mm   | -          | -     | -     |
| T1         | 2.817 | mm   | -          | -     | -     |
| T2         | 2.55  | mm   | -          | -     | -     |
| P1         | 1.44  | mm   | Failed     | 0.400 | 1.000 |
| P2         | 0.438 | mm   | Passed     | 0.400 | 1.000 |
| FilletLeg1 | 3.651 | mm   | Passed     | 2.000 | 4.000 |
| FilletLeg2 | 1.384 | mm   | Failed     | 2.000 | 4.000 |

Global Result  
NOK

**Weld Analysis Report**

Model: Spoiler - T 05      Date & Time: 11/28/2023, 1:51:50PM  
 Batch: Z304      Controller: User 9  
 Part: From A7  
 Units: mm

Part Number: 27583  
 Global Result: **NOK**

| Parameter     | Min  | Max   | Value | OK/NOK | Criteria   |
|---------------|------|-------|-------|--------|------------|
| L1            |      |       | 2.73  |        |            |
| L2            |      |       | 4.691 |        |            |
| Throat        |      | 3.000 | 1.887 | Passed | > T1/T2    |
| A1            | 3.00 | 6.000 | 1.369 | Failed |            |
| A2            | 3.00 | 6.000 | 2.609 | Failed |            |
| S             |      |       | 2.175 |        |            |
| T1            |      |       | 2.817 |        |            |
| T2            |      |       | 2.55  |        |            |
| P1            | 0.40 | 1.000 | 1.44  | Failed |            |
| P2            | 0.40 | 1.000 | 0.438 | Passed |            |
| Fillet Leg 1  | 2.00 | 4.000 | 3.651 | Passed | > 0.75*T1  |
| Fillet Leg 2  | 2.00 | 4.000 | 1.384 | Failed | > 0.75*T2  |
| Global Result |      |       |       |        | <b>NOK</b> |

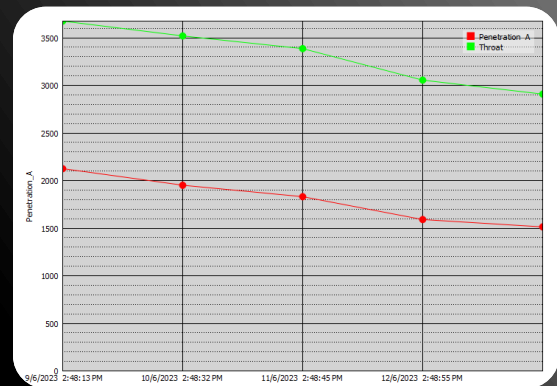
## ➤ Parameter control and its progress over time

### ➤ Image Organizer

- Browse through all measured images and their results by clicking on any of the definitions

| Picture | Date                  | NB_Thickness[μm] | B_Thickness[μm] | Min_thickness[] | L1[mm] | L2[mm] | Custom_1[] | Coordinates_x[] | Co |
|---------|-----------------------|------------------|-----------------|-----------------|--------|--------|------------|-----------------|----|
|         | 10/31/2023 9:46:20 AM | 392.091          | 411.789         | 392.091         | 0.463  | 0.306  | 306.154    | 306.154         |    |
|         | 11/28/2023 1:51:56 PM | 2672.613         | 2539.303        | 2539.303        | 3.926  | 5.166  | 3925.524   | 3925.524        |    |
|         | 11/28/2023 2:11:07 PM | 2623.185         | 2538.372        | 2538.372        | 3.917  | 5.185  | 3916.965   | 3916.965        |    |

- Compare measured parameters and their progress over time using graphs



## ➤ Build and customize your own definition

- Create once, execute repeatedly
- Build without programming knowledge
- Complete geometrical options for various measurements
- Add hints for simple run execution
- Specify custom calculations, validations and limits (even using JavaScript)
- Load custom image for your guiding scheme
- Data including measured image as output

| Tool | Sec | Loop | Parameter             | References     | Style | Scheme | Label        | Help Text                         | Edit | Feature                | Dimension | Report | Result | Value | Unit | Validation |
|------|-----|------|-----------------------|----------------|-------|--------|--------------|-----------------------------------|------|------------------------|-----------|--------|--------|-------|------|------------|
|      |     |      | Line_startAngle       | Vertical       |       |        | Measure (mm) | Calculate inner leg value         |      | Distance Point - Point | mm        | Inc    | Show   | 4.435 | mm   |            |
|      |     |      | Line_Horizontal       | LegHorizontal  |       |        | Line_start   | General - Line Between 2 Points   |      | Custom                 |           | Inc    | Show   |       |      |            |
|      |     |      | Line_Vertical         | LegVertical    |       |        | Line_start   | General - Line Between 2 Points   |      |                        |           | Inc    | Show   |       |      |            |
|      |     |      | Point_HorizontalShort | LowerLegs      |       |        | L1-Ctr       | General L1                        |      |                        |           | Inc    | Show   |       |      |            |
|      |     |      | Point_VerticalShort   | LowerLegs      |       |        | L2-Ctr       | General L2                        |      |                        |           | Inc    | Show   |       |      |            |
|      |     |      | Throat_Gen            | Point_Start    |       |        | Throat       | Measure Effective Throat          |      |                        |           | Inc    | Show   | 2.935 | mm   |            |
|      |     |      | A1_line               | Throat_Gen     |       |        | A1_line      | Define weld face                  |      |                        |           | Inc    | Show   | 0.391 | mm   |            |
|      |     |      | A2_line               | Throat_Gen     |       |        | A2_line      | Measure actual throat             |      |                        |           | Inc    | Show   | 3.464 | mm   |            |
|      |     |      | S_point               | Throat_Gen     |       |        | S_point      | Define Effective Throat           |      |                        |           | Inc    | Show   | 3.258 | mm   |            |
|      |     |      | T1_line               | HorizontalLine |       |        | T1_line      | Define Horizontal plate thickness |      |                        |           | Inc    | Show   | 2.701 | mm   |            |

➤ Products required for this application



➤ Interested in finding out more about our product?

Please don't hesitate to contact us!

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