

Release Notes

Note!

You will find the Installation instructions on the last page of the Release notes.

Updates in version 9.3

It is now possible to generate reports in Russian again.

It is now possible to enter russian characters again.

Programs

	E420	E530 E540	E710	E910 E915	E920	E930	E940	E950 A/B/C	E960 A/B	E970	E975	E980
Values	*	*	*	*	*	*	*	*	*	*	*	*
Horizontal	*	*	*		*	*	*	*	*	*	*	*
Vertical	*	*	*		*	*	*	*	*	*	*	*
Machine train (**)		*	*		*	*	*	*	*	*	*	*
Softfoot	*	*	*		*	*	*	*	*	*	*	*
Cardan			*		*	*	*	*	*	*	*	*
Straightness			*		*	*	*	*	*	*	*	*
Straightness Half					*	*	*	*	*	*	*	*
Straightness Fourpoints					*	*	*	*	*	*	*	*
Straightness Multipoints					*	*	*	*	*	*	*	*
Straightness Centre					*	*	*	*	*	*	*	*
Parallelism A			*		*	*	*	*	*	*	*	*
Parallelism B			*		*	*	*	*	*	*	*	*
Flatness			*		*	*	*	*	*	*	*	*
Twist			*		*	*	*	*	*	*	*	*
Spindle					*	*	*	*	*	*	*	*
Squareness					*	*	*	*	*	*	*	*
Flange flatness			*	*	*	*	*	*	*	*	*	*
Flange flatness section			*	*	*	*	*	*	*	*	*	*
Flange parallelism				*	*	*	*	*	*	*	*	*
Offset and Angle			*		*	*	*	*	*	*	*	*
BTA		*	*		*	*	*	*	*	*	*	*
Vibration		*	*		*	*	*	*	*	*	*	*

(**) The program Machine train(3) is included in E530 and E540.

Note! If the programs are not visible on the main menu after updating the software, you might need a new license. Please contact order@damalini.se

Release notes version 9.1

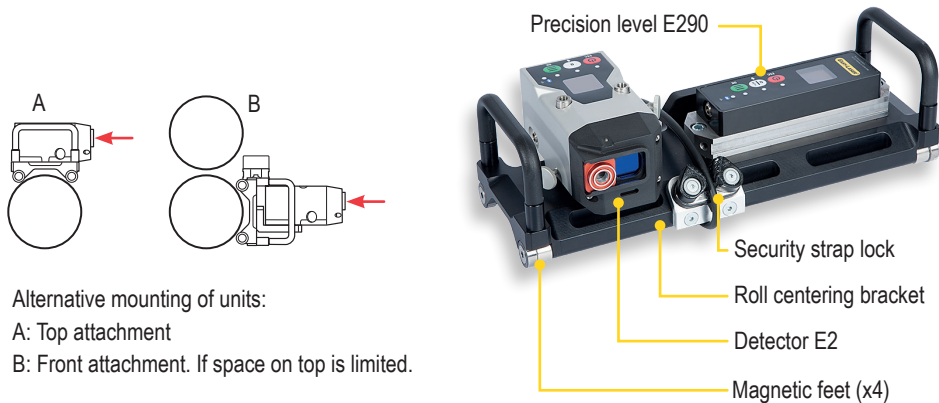
Parallelism B, new program



Parallelism B is used for fast replacement and alignment of rolls in, for example, printing presses, paper machines and converting machines.

Easy-Laser® E975 offers precision of up to ± 0.02 mm/m (0.001 degree).

First you measure the vertical angle, then the horizontal. Maximum distance between transmitter and detector is 20 metres. The rolls can be mounted at different heights.



Alternative mounting of units:

A: Top attachment

B: Front attachment. If space on top is limited.

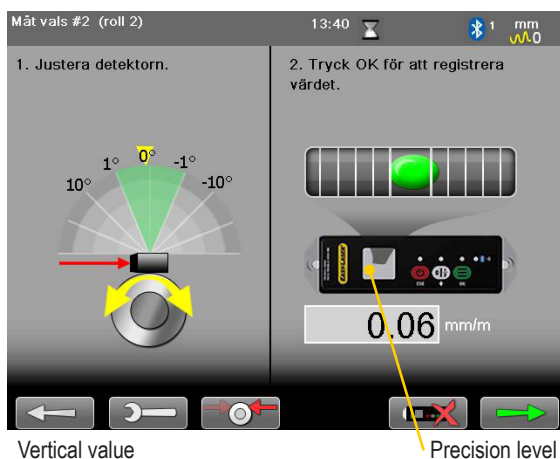
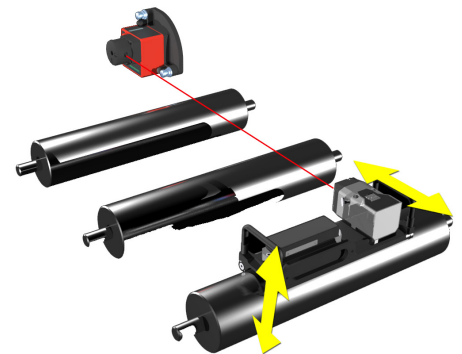


Vertical value

The vertical value is measured with the Precision level.

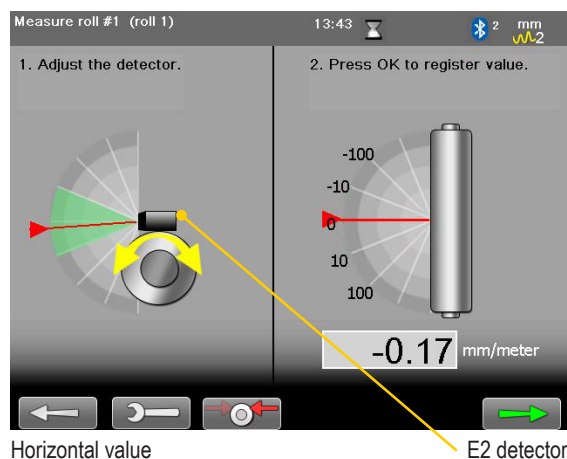
Horizontal value

The horizontal value is measured with the E2 detector.



Vertical value

Precision level

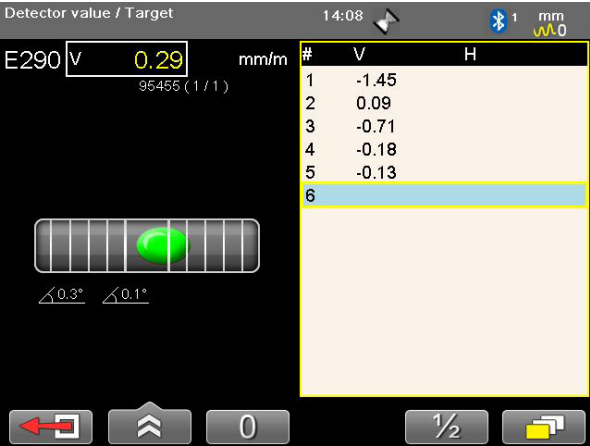


Horizontal value

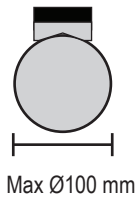
E2 detector

Precision level in Values

Connect the Precision level to the Display unit via Bluetooth.



When measuring a shaft using the Precision level, we recommend that the shaft is no larger than 100 mm in diameter.

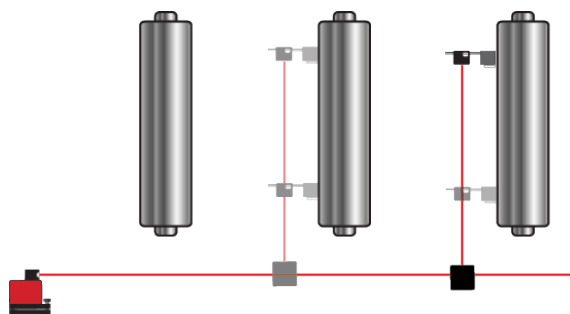


Release notes version 9.0

Parallelism A – new program

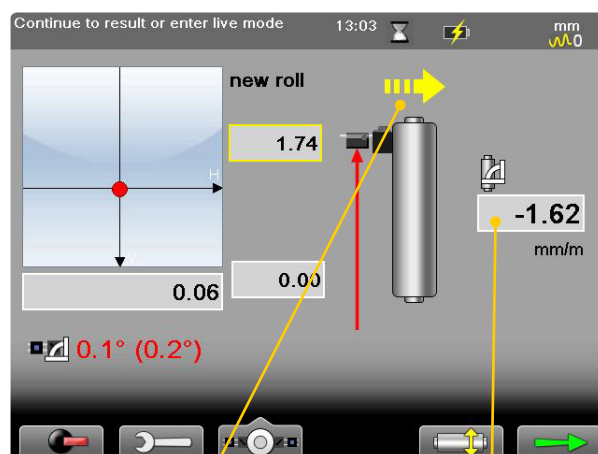
The laser beam is directed along the machine, and perpendicular to the measurement object. The beam is deflected at 90° with the aid of a penta prism. It is possible to measure a large number of objects on long machines by moving the penta prism.

Examples of parallelism measurement include mutual parallelism between rolls and other surfaces in papermaking machines, printing presses, rolling mills, etc. Other examples include overhead tracks, rails, press machine tables.



Measure

The horizontal value is measured with the detector.
The vertical value is measured with the Precision level.

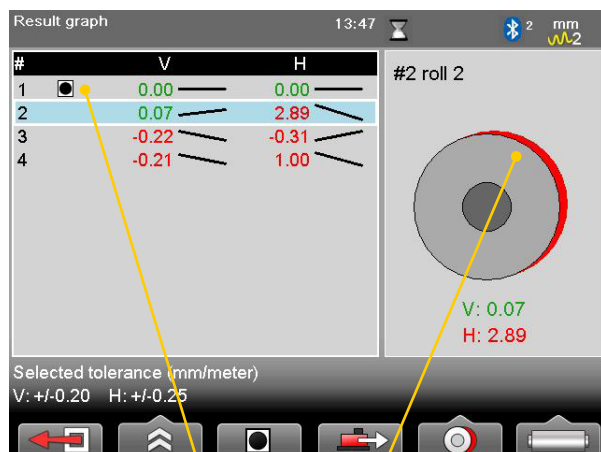


Arrow showing adjustment direction.

Angle of the roll

Result

The result clearly show how to adjust the roll. The result can be displayed in a graph, table or side view.



Roll set as reference

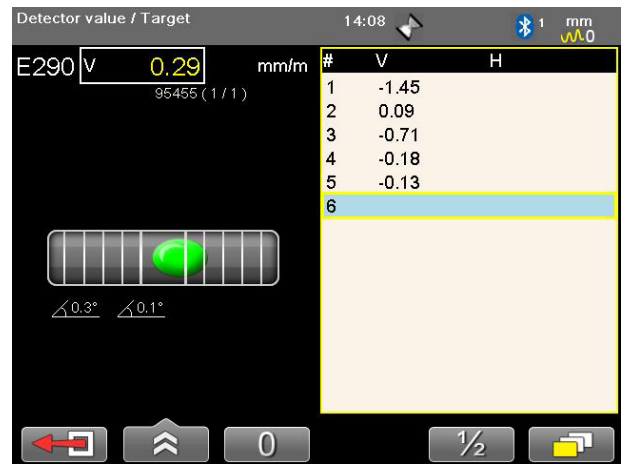
Red area indicates misalignment both in vertical and horizontal direction

Values

- The program Values now supports the Precision level E290.

Offset and Angle

- In the program Offset and Angle, angles are now displayed as in the Horizontal program. This means that the angles have been inverted and that the angle is shown as mm/100 (when using metric).
- Angle value is now shown in the program Offset and Angle.

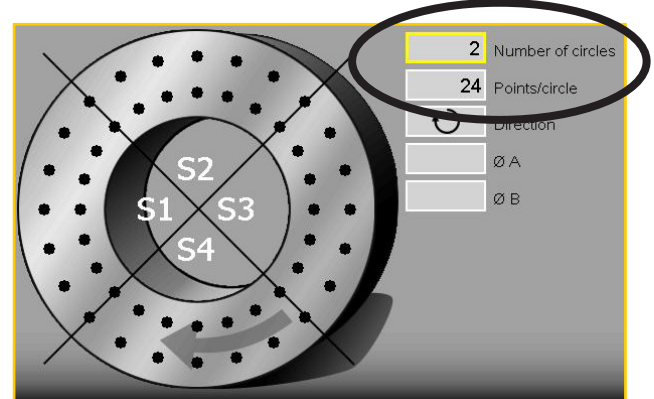


Precision level displayed in Values

Flange Flatness

- At least two circles are required when measuring Flange Flatness Section. This is to ensure an accurate measurement.
- There is now a warning before you delete a point in Flange Flatness Section and Flange Flatness.

Two circles are required in Flange Flatness Section

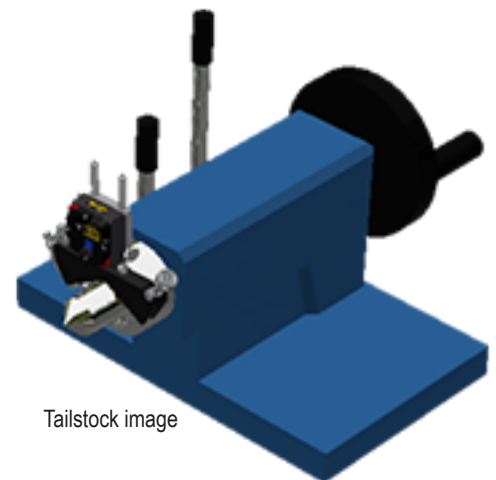


Vertical

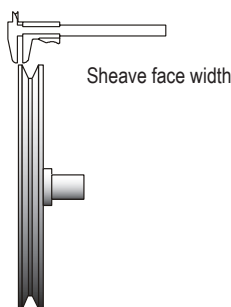
- When you open a saved measurement made with the program Vertical, it is now possible to alter the distances and also the tolerances.
- It is now possible to open a measurement made with the program Vertical, and save it with another name.

Other improvements



- In the Horizontal program for E710, a new image of a tailstock has been added.
- The file E_series_000 file is now always generated.
- All reports now show the correct temperature.
- Corrected spelling mistakes in the Korean translation.
- In the program Horizontal, the correct S-C distance is now shown when the machine has been mirrored.
- In the program BTA, the sheave face width can now be entered using decimals (0.1mm / 0.001 inch)



Tailstock image





Installation instructions

1. Go to www.damalini.com > Download > Software > E series Display unit Firmware Update.
2. Download the following files:
 - 9.3.zip
 - sysframe.35.zip
3. Unzip the files to the root of the USB memory stick.
4. Start the Display unit.
5. Insert the USB memory stick into the Display unit.
6. Select  and .
7. Select and install **9.3.elu**.

If an error message is displayed, do as follows:

8. Select and install **sysframe.35.elu**.
9. Select and install **9.3.elu**.

Instrucciones de instalación

1. Vaya a www.damalini.com > Descargas > Software > Actualización del firmware, unidades de visualización serie E.
2. Descargue los siguientes archivos:
 - 9.3.zip
 - sysframe.35.zip
3. Descomprima los archivos en la carpeta raíz de una memoria USB.
4. Encienda la unidad de visualización.
5. Inserte la memoria USB en la unidad de visualización.
6. Seleccione  y .
7. Seleccione e instale **9.3.elu**.

Si aparece un mensaje de error, haga lo siguiente:

8. Seleccione e instale **sysframe.35.elu**.
9. Seleccione e instale **9.3.elu**.



安装说明

1. 转至 www.damalini.com > 下载 > 软件 > E 系列显示器设备固件更新。
2. 下载以下文件：
 - 9.3.zip
 - sysframe.35.zip
3. 将文件解压缩到 USB 记忆棒的根目录。
4. 启动显示器设备。
5. 将 USB 记忆棒插入显示器设备。
6. 选择  和 .
7. 选择并安装 **9.3.elu**。

如果显示错误消息，则执行以下操作：

8. 选择并安装 **sysframe.35.elu**。
9. 选择并安装 **9.3.elu**。



Installationsanweisungen

1. Gehen Sie auf www.damalini.com > Download > Software > E-Serie Display Unit Firmware Update.
2. Laden Sie die folgenden Dateien herunter:
 - 9.3.zip
 - sysframe.35.zip
3. Dekomprimieren Sie die Dateien im Verzeichnis eines USB-Speichersticks.
4. Starten Sie die Anzeigeeinheit.
5. Schließen Sie den USB-Stick an die Anzeigeeinheit an.
6. Wählen Sie  und .
7. Wählen und installieren Sie **9.3.elu**.

Falls eine Fehlermeldung angezeigt wird, gehen Sie wie folgt vor:

8. Wählen und installieren Sie **sysframe.35.elu**.
9. Wählen und installieren Sie **9.3.elu**.



Инструкция по установке

1. Перейдите на веб-сайт www.damalini.com и выберите Download > Software > E series Display unit Firmware Update.
2. Загрузите следующие файлы:
 - 9.3.zip
 - sysframe.35.zip
3. Разархивируйте файлы в корневую папку USB-носителя.
4. Включите дисплейный блок
5. Подключите USB-носитель к дисплейному блоку.
6. Выберите  и .
7. Выберите и установите **9.3.elu**.

При появлении сообщения об ошибке выполните следующее:

8. Выберите и установите **sysframe.35.elu**.
9. Выберите и установите **9.3.elu**.

Instructions relatives à l'installation

1. Consultez le site www.damalini.com > Téléchargement > Logiciel > Mise à jour du microprogramme de l'unité d'affichage de série E.
 2. Téléchargez les fichiers suivants :
 - 9.3.zip
 - sysframe.35.zip
 3. Décompressez les fichiers à la racine d'une clé USB.
 4. Allumez l'unité d'affichage.
 5. Insérez la clé USB dans l'unité d'affichage.
 6. Sélectionnez  et .
 7. Sélectionnez et installez **9.3.elu**.
- Si un message d'erreur s'affiche, procédez ainsi :
8. Sélectionnez et installez **sysframe.35.elu**.
 9. Sélectionnez et installez **9.3.elu**.