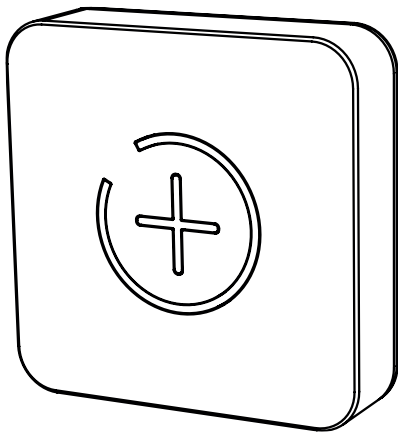


Tool Status Checker



Introduction

Purchase

Congratulations on your purchase of a Tool Status Checker. This manual contains important safety directions and instructions for product set-up and operation.

Keep for further reference.

Product identification

Product type and article number are printed on the product. Refer to this when contacting Sandvik Coromant.

Validity of this manual

This manual applies to the Tool Status Checker unit:

Model	Material ID
SL-TSC-01	8494903

Available documents

Tool Status Checker instruction manual and other documents can be downloaded from the Sandvik Coromant website:

<http://www.sandvik.coromant.com>

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Safety

General

Description

The following instructions should enable the person responsible for the product and who uses the equipment to anticipate and avoid operational hazards. The person responsible for the product must ensure that all users understand and adhere to these instructions.

The safety of any system incorporating this equipment is the responsibility of the assembler of the system.

About warning messages

Warning messages are an essential part of product safety. They appear wherever hazards or hazardous situations can occur.

For user safety, all safety instructions and safety messages shall be strictly observed and followed. Therefore, the manual must always be available to all product users.

DANGER, WARNING, CAUTION and NOTICE are standardized signal words for identifying levels of hazards and risks related to personal injury and property damage. For your safety it is important to read and fully understand the table below with the different signal words and their definitions. Supplementary safety information symbols may be placed within a warning message as well as supplementary information.



Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.



Indicates a potentially hazardous situation or an unintended use which, if not avoided, could result in death or serious injury.



Indicates a potentially hazardous situation or an unintended use which, if not avoided, may result in minor or moderate injury.

NOTICE

Important information which must be adhered to in practice as it enables the product to be used in a technically correct and efficient manner.



This warning symbol on the product means:
The documentation must be consulted in all cases where this symbol is marked.

Purpose

Permitted use

The Tool Status Checker is an add on measuring sensor for correct mounting of Silent Tools™ Turning adaptors. The Tool Status Checker helps ensuring that the Silent Tools™ Turning adaptor is leveled and properly installed.

The Tool Status Checker is intended for use in an industrial environment and should always be used according to this instruction manual.

Adverse use

- Use of the product without instruction.
- Use outside of the intended limits.
- Disabling safety systems.
- Removal of hazard notices.
- Opening the product using tools, e.g. screwdriver.
- Modification or conversion of the product.
- Use after misappropriation.
- Use of products with obviously recognizable damages or defects.
- Use with accessories from other manufacturers without the prior explicit approval of Sandvik Coromant.



WARNING

Adverse use can lead to injury, malfunction and damage. It is the task of the person responsible for the equipment to inform the user about hazards and how to counteract them. The product is not to be operated until the user has been instructed on how to work with it.

Manufacturer of the product

Sandvik Coromant is responsible for supplying the product, including the instruction manual and original accessories, in a completely safe

condition.

The Tool Status Checker product, including electronic hardware, is intended to be used in the country Sandvik Coromant puts it on the market. Sandvik Coromant takes no responsibility for the product's conformity with any laws and/or regulations outside the country it was put on the market.

If any export of products after receipt from Sandvik Coromant is intended, the customer takes the full responsibility to ensure that the product and the intended use are in conformity with all applicable laws and regulations within that country.

Person in charge of the product

NOTICE

The person in charge of the product has the following duties:

- To understand the safety instructions on the product and the instructions in the instruction manual.
- To be familiar with local regulations relating to safety and accident prevention.
- To inform Sandvik Coromant immediately if the product becomes unsafe.

Hazard of use

Environment

Suitable for use under rough conditions, see section “Technical data“. Not suitable for use in aggressive or explosive environments.



CAUTION

Avoid high temperature, above rating, while using the Tool Status Checker. This may cause the function of the unit to end prematurely.

Only connect the device to USB data ports with a voltage of 5V d.c.

Only connect the product to USB data ports that provide double or reinforced insulation to main circuits.

Precautions:

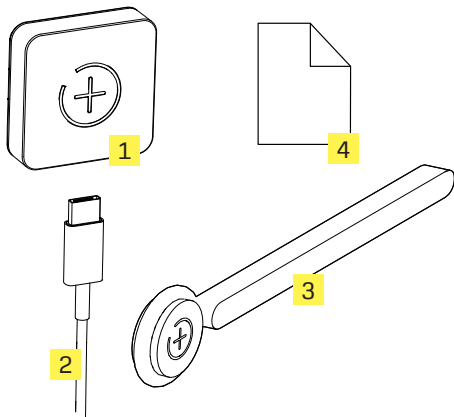
Do not open the product. Only Sandvik Coromant authorized service workshops are entitled to repair these products.

NOTICE

Should an operational error or unexpected change in the performance occur during use; disconnect the Tool Status Checker and contact the supplier.

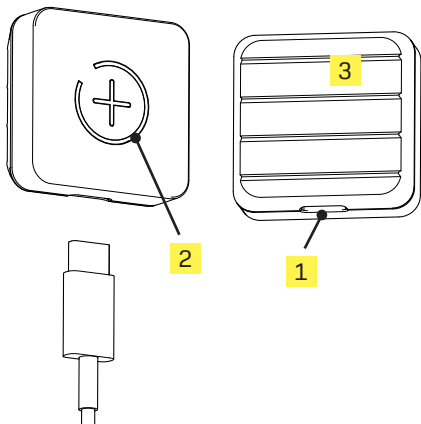
Included in delivery

- 1 Tool Status Checker
- 2 USB cable
- 3 Vibration test hammer
- 4 Instruction manual



Features

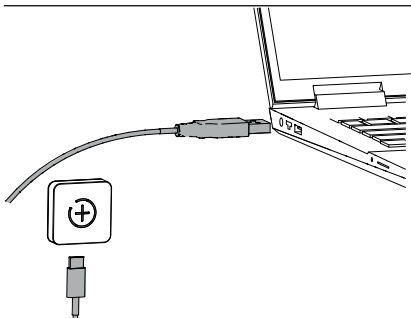
- | | | |
|---|------------------|--|
| 1 | USB port | USB-C port for power and communication |
| 2 | Status LED | Lights up when connected to PC |
| 3 | Magnetic surface | Rear surface with integrated magnet. Ribs ensure correct position on SL tool head interface. |



Getting started

The Tool Status Checker is intended for use on Silent Tools™ Turning adaptors with an SL tool head interface to ensure the correct installation before start of the machining process. You can use the Tool Status Checker also to inspect that the damping system in the Silent Tools™ Turning adaptors is working correctly.

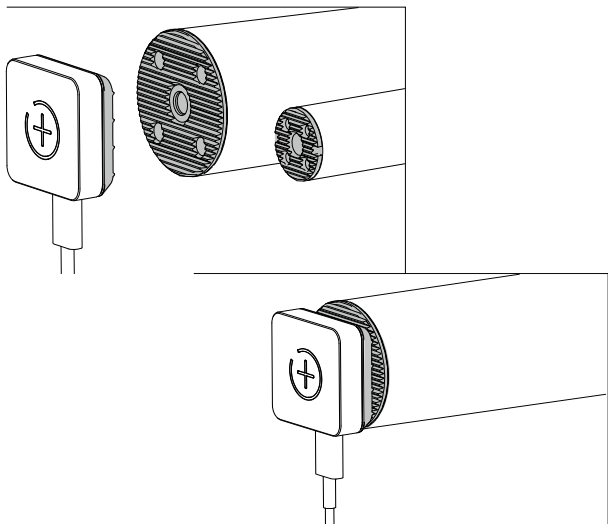
1. To get starting using the Tool Status Checker. Use a PC running Windows 10 and start by downloading and installing the software from the Sandvik Coromant webpage:
sandvik.coromant.com/tool-status-checker
2. After successfully installing the software, find it in the Windows Start menu and open it.
3. Connect the included USB cable to the Tool Status Check and any free USB-A connector of your PC.



4. Remove the SL tool head from the Silent Tools™ Turning adaptors.
5. Place the back of the Tool Status Check against the SL interface of the Silent Tools™ Turning adaptors with the USB cable facing downwards.
6. The magnetic back side of the Tool Status Check will stick to the adaptor. Follow the instructions given in the software to complete the process.

NOTICE

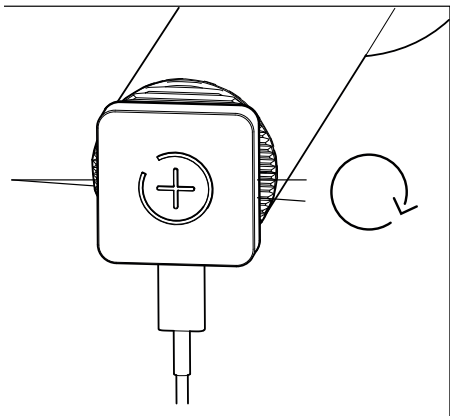
When placing the Tool Status Check against the SL interface, ensure that the ribs on the backside fit into the grooves of the SL interface.



Operations

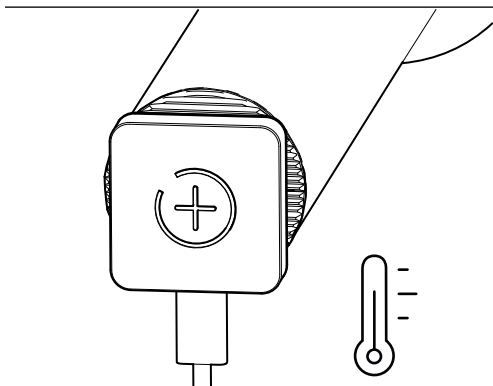
The Tool Status Checker can be used for centre height adjustment, temperature measurements, and to inspect that the damping system in the Silent Tools™ Turning adaptors is working correctly.

Center height adjustment



Rotate the Silent Tools™ Turning adaptors before completely fastening the adapter in the machine tool. Follow the instructions given in the software.

Temperature measurement

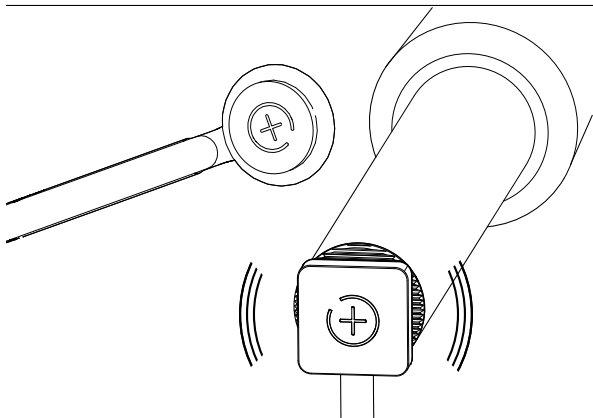


When attached to the Silent Tools™ Turning adaptors, the Tool Status Checker will measure the adaptor's temperature and indicate the adaptor is within its operational temperature.

CAUTION

The turning adaptor may be hot during operation. Do not touch the hot surfaces.

Inspect the damping system



Lightly hit/tap the Silent Tools™ Turning adaptors with the Vibration test hammer. Follow the instructions given in the software.

Troubleshooting

If connection to the Tool Status Checker is lost:

- Check if the cable is properly connected.
- Check for mechanical damages on the unit or cable.
- Connect a different cable to check if the fault lies with the cable.
- Restart the PC.
- If the problem persists, contact Sandvik Coromant.

Care and transport

Transportation

When transporting the product, always use the complete original packaging, transport container and cardboard box, or its equivalent, to protect against shock and vibration.

NOTICE

The product includes a magnet and is identified under the IATA Dangerous Goods Regulations as UN2807. Refer to the IATA Packing Instruction 953 (PI953) for shipping instructions.

Storage

Respect the temperature limits when storing the product, particularly in summer if the product is inside a vehicle. Refer to the section “Technical data” for information about temperature limits. Store the product in the original packaging.

Cleaning and drying

Use only a clean, damp, soft cloth for cleaning. Keep plugs clean and dry. Blow away any dirt lodged in the plug of the connecting cable.

Conformity

Visit our webpage at

sandvik.coromant.com/tool-status-checker

to access the complete Declaration of Conformities for EU, USA and UK at your convenience.



EU

Sandvik Coromant AB, declares that the products electronic unit by this instruction manual are in conformity with the following standards:

Following the provisions of EU-directives:	2014/30/EU (EMC Directive) 2011/65/EU+2015/863 (RoHS)
Safety:	EN 61010-1:2010+A1:2016
Electromagnetical compability (EMC):	EN IEC 61326-1:2021
RoHS	EN IEC 63000:2018

UK

Sandvik Coromant AB, declares that the products electronic unit by this instruction manual are in conformity with the following standards:

Following the provisions of UK legislation:	Electronic Equipment (Safety) Regulations 2016 The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012
Safety:	EN 61010-1:2010+A1:2016
Electromagnetical compability (EMC):	EN IEC 61326-1:2021
RoHS	EN IEC 63000:2018

USA

FCC Compliance statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Safety compliance to: UL 61010-1

Canada

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

CAN ICES-003 (A) / NMB-003 (A)

Safety compliance to: CSA-C22.2#61010-1.

Conformité de sécurité à: CSA-C22.2 # 61010-1.

Japan

This device has been tested and found to comply with the safety requirements of JIS C 1010-1.

Korea

This product has been registered under the Clause 3, Article 58-2 of Radio Waves Act.

Disposal



In EU countries

This symbol means that the Tool Status Checker must be disposed of in accordance with the directive on waste electrical and electronic equipment (WEEE). Dispose the electronic unit via the local collection points for waste electronic equipment or send it back to Sandvik Coromant.

Visit this webpage for more information:
***[sandvik.coromant.com/en-gb/services/pages/
recycling-of-sensorized-tools.aspx](https://sandvik.coromant.com/en-gb/services/pages/recycling-of-sensorized-tools.aspx)***

Do not dispose of the Tool Status Checker with household waste.

WEEE Directive: 2012/19/EU
WEEE Reg. No. DE 63942349

Electric and Electronic Equipment - Registro RII-AEE número 6787
Batteries and Accumulators - Registro RII-PYA número 1791



Outside EU

This symbol is only valid in the European Union (EU). If you wish to dispose of this product, please contact your local authorities or Sandvik Coromant representative and ask for the correct method of disposal.

NOTICE

Product specific treatment and waste management information can be downloaded from the Sandvik Coromant home page at www.sandvik.coromant.com/services or received from your Sandvik Coromant representative.

Warranty

Sandvik Coromant AB warrants its equipment for a limited period of two years from purchase date, provided that it is installed exactly as defined in associated Sandvik Coromant documentation.

Failure to comply with this will invalidate the Sandvik Coromant warranty. Claims under warranty must be made from authorized service/sales personnel from Sandvik Coromant only.

Technical data

Power supply	PC power supply via USB-C
Power connector	USB-C
Input voltage	5 V d.c. +/- 5%
Current consumption	Max 50 mA nominal voltage (5 VDC), 2.5 W
Operating environment	Indoor use in lathe/CNC machines, closed or open
Maximum altitude	2000 m (6561.68 ft)
Temperature range	Storage: -40 °C to +60 °C (-40 °F to +140 °F) Operating: -20 °C to +60 °C (-4 °F to +140 °F)
Pollution degree	PD2
Relative humidity	Use 10-95% Storage recommended 10–50%
Indication	On / Off LED
Weight	Approx. 20 g (packaging not included)
Dimensions	W × D × H: 34 × 13 × 34 mm (1.34 × 0.51 × 1.34 in)

Learn more about the offer
**[sandvik.coromant.com/tool-
status-checker](https://sandvik.coromant.com/tool-status-checker)**



Instruction manual
Tool Status Checker
English
Version 1.0

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