programmable

process

Automatic Milling Machine CORROCUTTER Smart 638

automatic

tool alignment

variable

sample sizes

testing equipment for quality management

ERICHSEN
since 1910

Technical Description

Sample preparation in accordance with DIN EN ISO 17872

DIN EN ISO 12944-6

Automatic milling machine for standard-conform defined cut “scribe“ line application on samples for corrosion testing

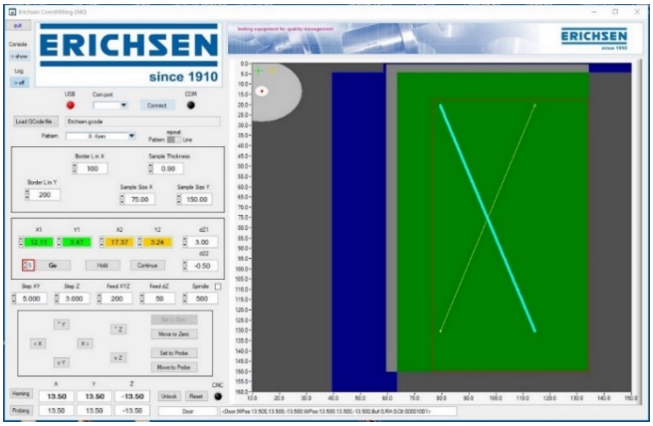
Purpose and application

For standard-conform corrosion testing, the application of an accordingly conform defined cut “scribe“ line is inevitable. This “scribe“ line is commonly applied by a huge part of users in a manually handled manner.
But, a continuously growing number of users have to follow some changed proceeding, prescribed by several relevant standards. In fact, a mandatory prescription to use a milling machine or a rotating saw blade.

The automatic milling machine **CORROCUTTER Smart 638** offers in comparison to the concept ot the rotating saw blades decisive advantages in handling, and is not least also due to its programmable process with excellent repeatability, the obvious solution for users who are no longer able to *bridge* their need by the manual methods!

Execution

The **CORROCUTTER Smart 638** is a tabletop unit. The electromotive drive ensures a constant feed motion of the cutting tool.
All functions are controlled by a comfortable, easy-to-use WINDOWS control software (operating system from WIN7). The software and a USB cable 2.0 are included in the scope of supply.



Principle of application

The sample plate is fixed on the sample table with variably positionable clamping pieces.

The form of the injury is to be chosen by selecting the appropriate program. The following milling programs are already preset within the delivery specification: X-shaped, L-shaped, T-shaped and diagonal shape as well as single line vertical & horizontal. By entering the sample size, the maximum injury size is calculated automatically.

The edge distances specified by the standard are set automatically.

By entering the sample thickness and cutting depth, the cutting depth through the coating is calculated automatically.

A slightly higher setting value, if necessary, guarantees a residue-free removal of the coating from the track, i.e. from the bottom of the milling channel. A slight removal of the sheet metal substrate, if necessary, is also to be understood as obligatory.

By starting the machine, the whole further milling process is carried out automatically.

If there are similar sample sizes to cut/mill, for example within a series, then there’s just a simple change oft he sample, without any necessity of further adjustments.

Tools (drill millers) of 1.5 mm and 2.0 mm diameter are available for defined injury. The 1.5 mm hole cutter can be used for coatings that tend to fray out on one side in the milling channel. By means of a slightly offset return stroke with non-fraying contact in the direction of rotation, the 1.5 mm hole cutter can provide a best possible sharp edged 2 mm milling channel.

After inserting or changing the tool, an automatic calculation, i.e. the alignment of the correct height level, is carried out by pressing the corresponding button in the software interface.

Technical Data

Dimensions (L x W x H)	approx. 550 x 460 x 520 mm
Dimensions sample plate	max.210 x 300 mm (DIN A4) min. 75 x 102 mm
Mains connection	
Table power supply	(100 - 240) VAC, (47 - 63) Hz
Net weight	approx. 13 kg

Order Information	
Ord.-No.	**Product Description**
03310131	**Automatic Milling Machine CORROCUTTER Smart 638**, incl. drill millers 1.5 mm/2.0 mm, software and USB cable

The right of technical modifications is reserved.
TBE 638 – IX/2020

ISO 9001 BUREAU VERITAS Certification

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