

TQC MACHU SCRATCHING TOOL
VF8600, VF8605

MANUAL

1 GENERAL

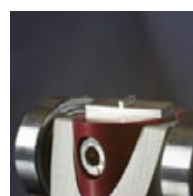
The Machu scratch instrument is a cutting tool to make a cut of 1 mm width on a test panel or work piece to scribe a corrosion pattern when exposed in Machu test environments or Salt spray and/or CASS corrosion tests. The instrument consists of a black handgrip with clamping device to hold the knife.

2 INSTRUMENT TYPES**VF8600** - CC2000 Basic

Exchangeable cutter 1mm in self aligning head ball and fixing bold. Fixed depth for cutting around 80µm. Cutting edge on the right.

VF8605 - CC3000 Professional

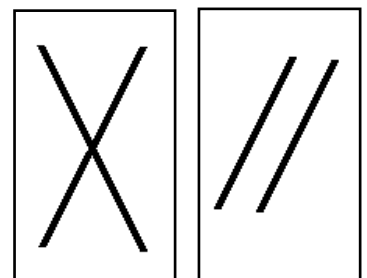
Exchangeable cutter 1mm in height adjustable, bearing guided head to improve optimum cuts. Cutting edge in the centre. Maximum cutting depth 750µm

**3 MEASURING METHOD**

Two cuts are made on a test panel from one corner to the opposite site till a so-called Andreas cross arises. Alternative a two cut parallel pattern can made too. Depending on the standard alternatives cuts are possible. Always verify that the correct pattern is used. The cuts are generally made to the substrate.

4 USE

- Choose the most suitable instrument holding the cutter.
- Be sure to have a sturdy and flat surface as backing to put on the (powder) coated test panel of norm sizes.
- Make, in a pulling movement, a diagonal cut over the surface.
- Make a second cut crosswise over the first to create the Andreas cross or parallel to the first.
- Take care both cuts are completely trough the coating into the base material.
- Position the prepared test panels in a test environment for further analysis, like Machu test or Salt Spray / CASS cabinet.

**Hint**

Convince yourself the cutting knife is sharp and undamaged.

We advise to replace the cutter when damaged or became blunt.

5 SAFETY AND MAINTENANCE

- The instrument is vulnerable; keep it in good condition too for your own security because a knife is sharp.
- Use a dry cloth the rinse the instrument. Do not use water or solvents.
- Don't drop the tool and prevent it for shocks or contact with sharp objects.

6 DISCLAIMER

The information given in this manual is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this manual without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Whilst we endeavour to ensure that all advice we give about the product (whether in this manual or otherwise) is correct we have no control over either the quality or condition of the product or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this manual is liable to modification from time to time in the light of experience and our policy of continuous product development.