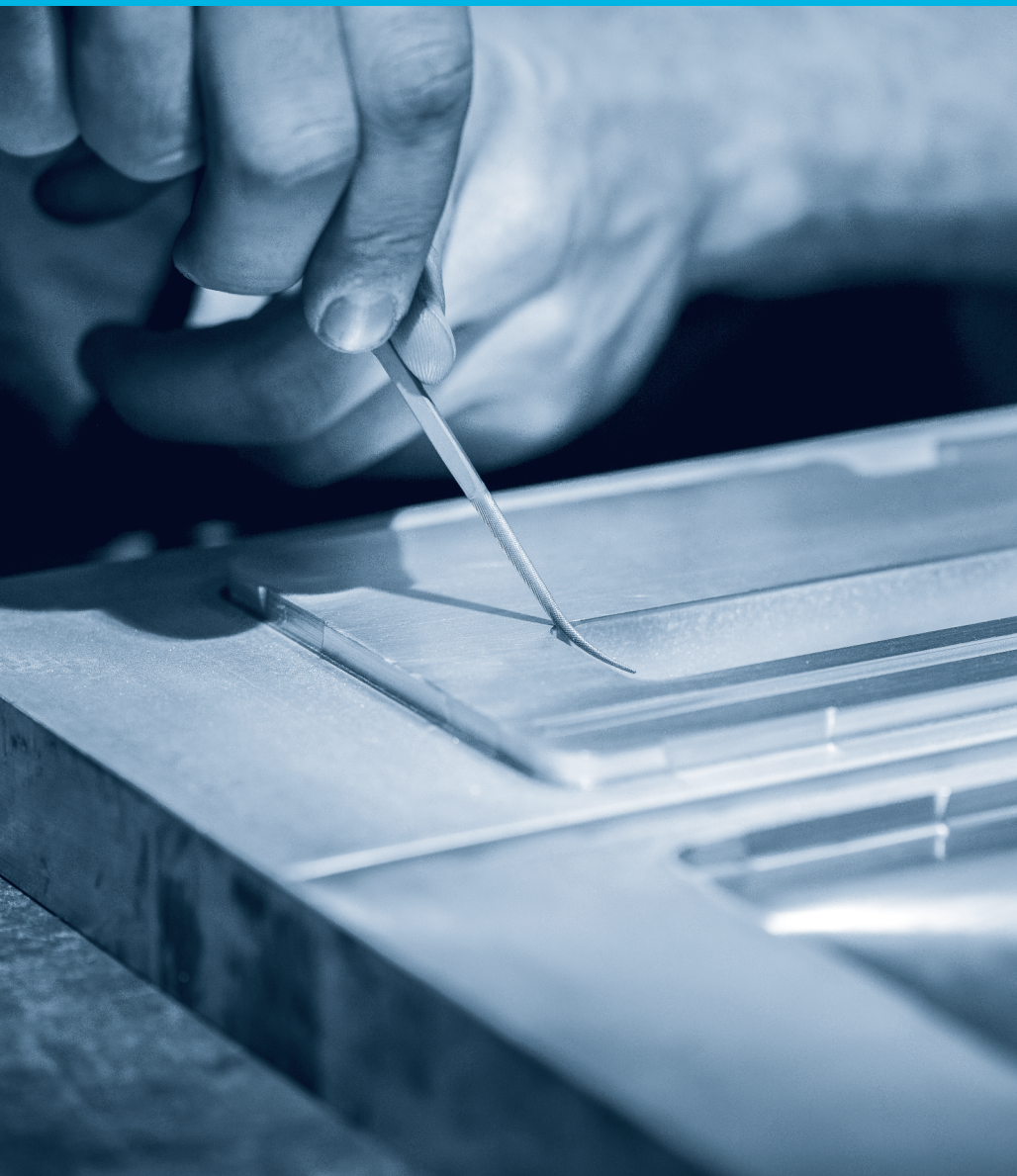




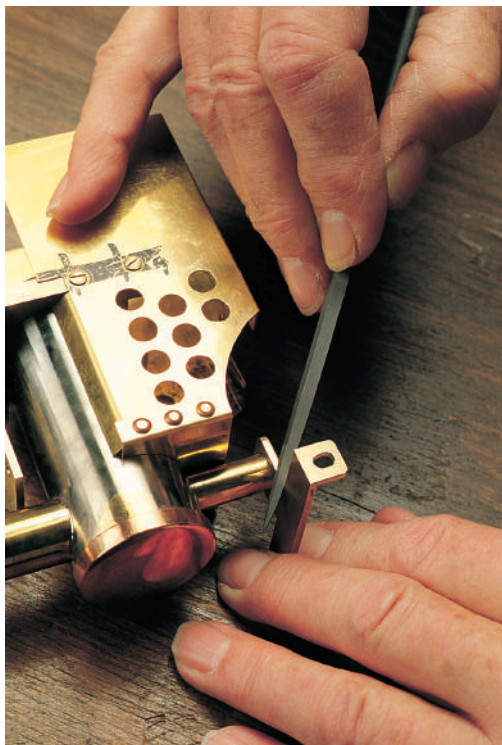
**Vallorbe Swiss
products at IMTEX**

vallorbe[®]
SWISS





Needle files



For over 100 years, needle files have assisted the most meticulous craftsmen on a daily basis. Their point filed right up to the end, their service life and their unparalleled quality gives our needle files an edge over established competitors around the world.

By choosing a Glardon vallorbe® needle file, you are selecting the assurance of a high-quality Swiss Made product, manufactured from a high-carbon steel.

Our needle files are recommended for working with steel, steel alloys, soft metals and for finishing work. We have a large selection of different profiles : pillar, crossing, knife, warding, barrette, slitting, crochet, square, round edges, oval, halfround, round and three square, etc. The cut is indicated on a scale ranging from 00 which is the coarsest, to 6 which is the finest.



Precision files

With its precision files, Glardon vallorbe® has been offering the guarantee of high-quality, Swiss made products manufactured from a high-carbon steel especially designed for files, since 1899. These files are particularly recommended for professionals who want to achieve an established quality of work.

Our files are currently used in a number of areas, by precision engineers, mould makers or jewellers, for example. Vallorbe Swiss offers a broad selection of different profiles depending on your requirements : hand, pillar, round edges, equaling, crochet, warding, halfround, round, oval, three square, square, slotting, barrette, pippin, knife, screwhead, multifile and crossing, etc.





Valtitan needle files and precision files

Created exclusively by and for Vallorbe Swiss®, the Valtitan treatment is a unique surface coating that gives products a surface hardness of 72 HRc.

Essential for materials that are difficult to file, the chromium-plating process makes the file harder, stainless and extends its service life considerably. It is also highly resistant to corrosive or humid environments, without the need for lubrication protection.

A Valtitan file does not burr, but encourages chip removal.

This particular coating also acts as a thermal barrier which allows the file to preserve its hardness when retouching hot workpieces.

We offer this treatment for precision files & needle files.





Gravers

Used primarily for setting and engraving, Glardon vallorbe® gravers are essential tools for revealing the grain and extruding material.

Our gravers are available in three materials: tool steel (WS), special high-speed steel (HSS) and Tungsten Carbide.

The unrivalled flexibility of use and regularity of the profile of our gravers explain why they have been workshop staples for over a century.

Available in a wide range of thicknesses and shapes, you'll always find the right Glardon vallorbe® graver.





Rifflers

Glardon vallorbe® rifflers are indispensable tools for filing surfaces that are difficult to access. Filed at both ends, they are ideal for machining parts with complex profiles and contours.

The rifflers are particularly recommended for mould makers, engravers, carvers and goldsmiths carrying out any precision modelling work with steel, plastics or copper.

Our swiss made quality guarantees you high-performance tools which offer consistent, durable quality.





Diamond rifflers

The diamond coating on Glardon vallorbe® diamond rifflers enables high-precision work on complex profiles and surfaces that are difficult to access.

Diamond is deposited on the surface of these rifflers by means of an electrolytic process which ensures uniform distribution of the grains. This coating is ideal for machining hard and ultra-hard pieces with complex profiles.

The rifflers are particularly recommended for any precision modelling work with steel (hardened or not), ceramics and glass.

We offer this tool in various profiles : hand, crossing, square and three square.

The length of Glardon vallorbe® diamond rifflers is 150 mm.





TOGETHER
working with passion

vallorbe[®]
SWISS

Usines Métallurgiques de Vallorbe SA
Rue du Moutier 49
1337 Vallorbe
Suisse

Tél. +41 (0)21 843 94 94
umv@vallorbe.com
www.vallorbe.com