

Take advantage of the best solutions for your machinings

Coolants

Milky emulsions : LACTUCA
Semi-synthetics : SPIRIT
Synthetics : VULSOL



Neat oils

Cutting : VALONA
Cutting and lubricating : SCILIA
Minimum quantity lubrication : VALONA MQL

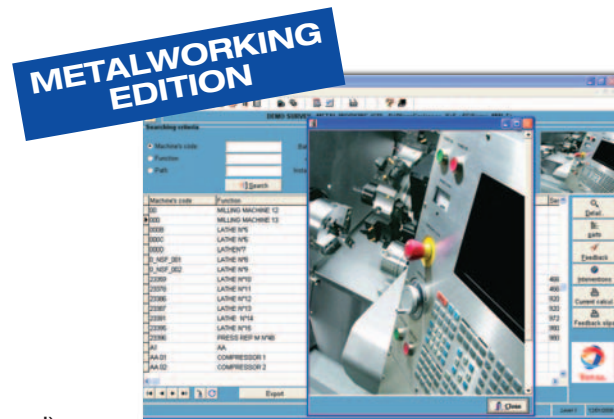


Optimize your maintenance



Maintenance
and Lubrication software

- Management of cutting fluids : concentrations, top-ups, data reporting...
- Management of maintenance lubricants (preventive / conditional)
- Management of cutting tools : consumptions, re-sharpening operations
- Easy to use : direct use by the maintenance department



TOTAL

TOTAL LUBRIFIANTS

16 rue de la République - F 92922 Paris La Défense Cedex
Tél. : 33 (0)1 41 35 40 00 - www.lubricants.total.com

METAL WORKING

Take care of your machining
operations with our cutting fluids



TOTAL

OUR COMMON GOAL : IMPROVE YOUR COMPETITIVENESS IN MACHINING

TOTAL's Solution

Your Requirements

Your Requirements

TOTAL's Solution

An easier preventive maintenance

- A software for fluid monitoring : **TIG XP5 Metal Working**
- Analysis follow-up in our lab : **LUBIANA**

A constant quality of your production through :

- Appropriate filtration systems
- Thermal control systems

A reliable logistics partner

Our know-how :
we formulate
our own products

Save time & human resources by outsourcing to us your products maintenance : fluid management

The respect of the latest regulations

- European : REACH
- German : TRGS 611 & WGK

Innovating formulations aiming at the operators' comfort :

- Oil mist decrease
- Skin neutrality

Get more value from your metal waste & reduce the disposal costs of waste Metal Working Fluids by:

- Chip centrifuge
- Vacuum evaporator
- Ultra-filtration
- Complete range of chlorine free products

The reliability of your production equipments

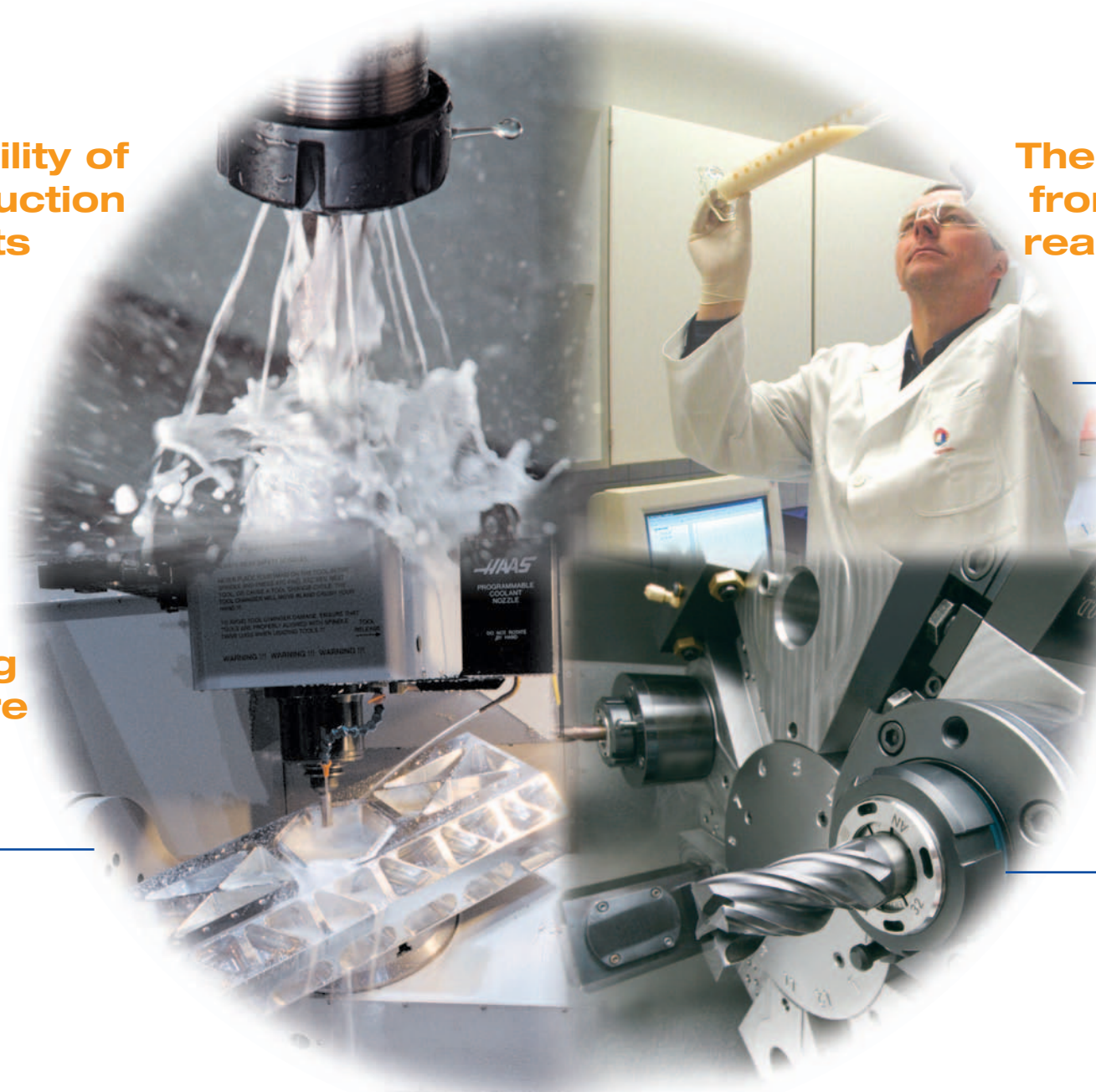
Refocussing on your core business

Machine operators' safety and sustainable development

The assistance from a close & reactive expert

The optimization of your production costs

Continuous improvement



Professionals on the field

Research centres & production plants dedicated to cutting fluids

A range of top-quality products & services tailor-made for each application

Many references in all the cutting fields

TOTAL cutting fluids, sources of savings

- Cutting tool budget decrease
- Part reject ratio decrease

The decrease of your MWF consumption

- Longer drain & top-ups intervals
- Advice on ancillary equipment

Permanent innovation thanks to research & development

Our expertise goes far beyond the lubricant itself & covers the whole machining process:

- Tool material pair
- Multi field training