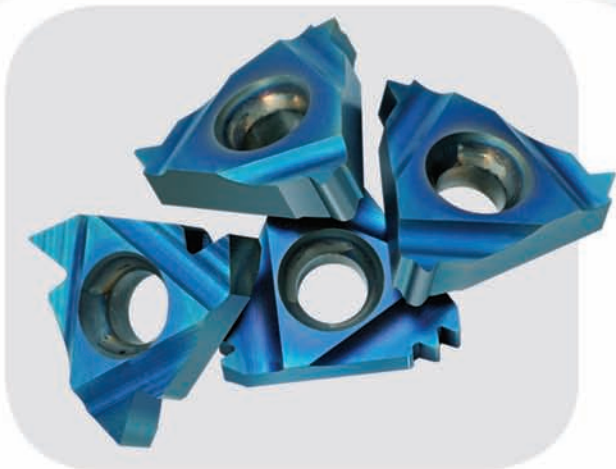


NEWS 2011-12



Carmex
Precision Tools Ltd.



Company Profile

Carmex Precision Tools Ltd. is a leading manufacturer of high quality cutting tools. The company was founded in 1988 in Maalot, located in the beautiful North West region of Israel.

Product Lines

Carmex specialises in the production of threading tools for turning and milling. Our product lines include Thread Turning inserts and toolholders, Mill-Thread inserts and toolholders, Mill-Thread Solid Carbide and Spiral Mill-Thread. In addition to threading, we produce Grooving tools, Mini Chamfer mills and the Tiny Tools line of small boring bars for threading, turning and grooving of small parts. The company's different product lines are recognised worldwide as advanced technology, reliable full range lines that offer accurate geometry, excellent cutting performance and extended tool life. Our products and service we provide live up to the highest standards and outperform them. Carmex also produces special tools in accordance with customer's requirements.

Quality Assurance

In addition to our unyielding strive for high quality, speedy service and reliability, Carmex is certified by ISO 9001:2008, ISO 13485:2003, ISO 14001:2004, OHSAS 18001 and CE. Most of our customers' requirements are supplied immediately from our readily available wide range of stock as well as from our agents and distributor's stocks around the world. In August 2008 Carmex completed its transfer to the new, state of the art modern building. In addition to the construction we invested in machinery and advanced equipment as part of our strategy to keep in position in the first line of high technology.

Carmex Branches

In addition to its distributor's chain, Carmex has three independent sales branches. Each of them keeps Carmex's wide range of stock and employs talented, service oriented managers, engineers, technicians and administrators willing to fulfill the customers' needs.

C.P.T. GmbH, Stuttgart Germany serving Europe.

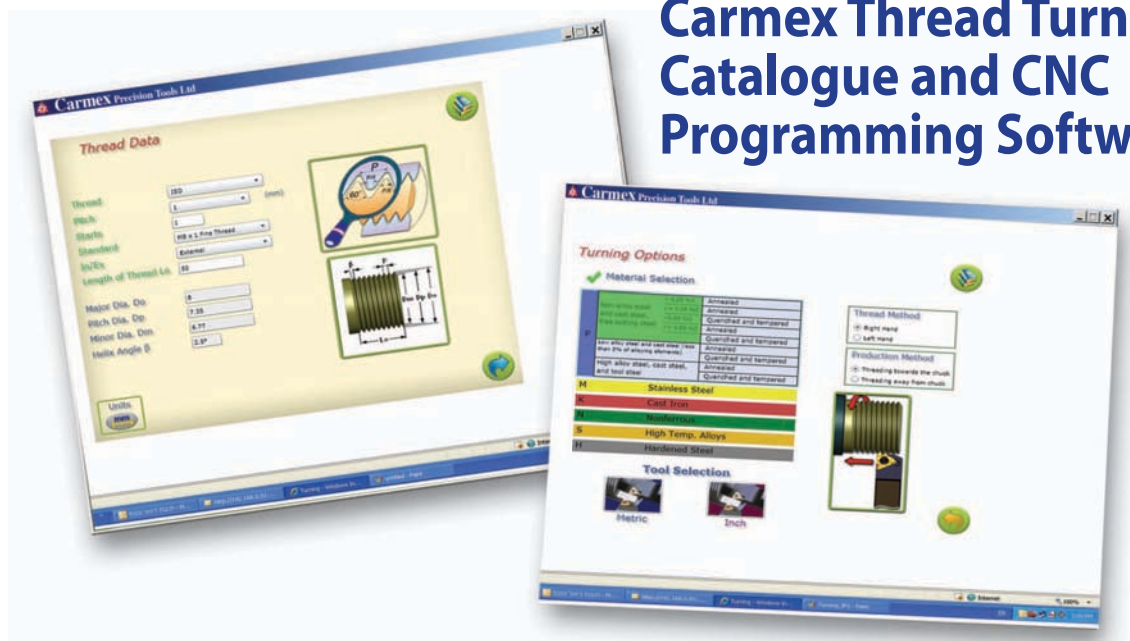
Carmex Precision Tools LLC, Wisconsin USA, serving North America and Mexico.

Carmex Italia Srl, Modena Italy.

Quality Certification



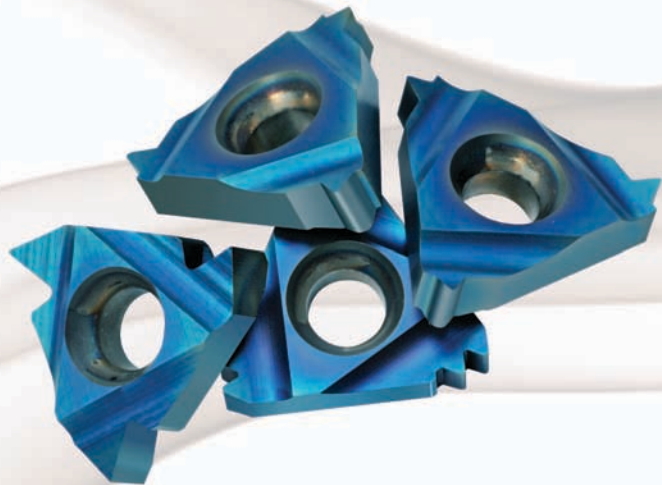
Carmex Thread Turning Catalogue and CNC Programming Software



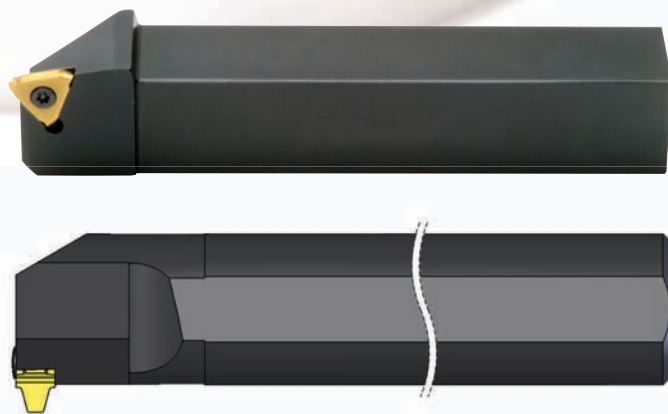
The software is available at our website: www.carmex.com

New BLU Grade

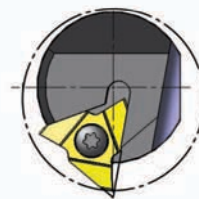
Carmex presents a new sub-micrograin grade with PVD triple layer coating. The BLU grade provides a combination of very high strength with high wear resistance.



Vertical Inserts



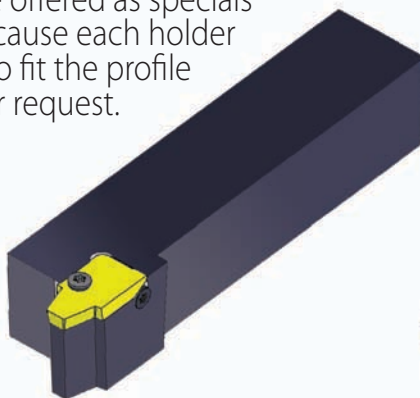
Large variety of vertical inserts and toolholders sizes 16 up to 27 mm.



Large Profile Range

- Pitch Range: 14mm up to 24 mm.
- Tools and inserts are offered as specials (non catalogue), because each holder has to be adopted to fit the profile shape and customer request.
- Rigid Clamping.

External



Internal

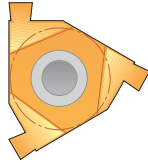


- Tailor made profiles according to customers request

Available Profile	Round (DIN 20400)	Trapez (DIN 103)	Acme, Stub Acme	American Buttress
Pitch	16 mm	14-24 mm	1.0 - 1.5 TPI	1.5 - 2.0 TPI

Grooving Inserts

Now available: size 11 mm (1/4") inserts from 0.5 mm to 1 mm groove widths.



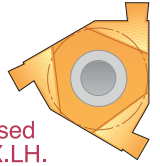
ER / IL

Same insert can be used for EX.RH and for IN.LH.

External & Internal

IR / EL

Same insert can be used for IN.RH. and for EX.LH.



Thread Whirling Tools



For Perfect Long Threads on Swiss Type Machines

This method enables fast and accurate production of special threads.

Used for medical components such as implants, bone screws and small parts.

- Enables production of small diameter long threads on Swiss Type machines.
- Short machining time - one pass thread forming is needed.

CMT Vertical Mill-Thread

Vertical thread milling indexable inserts and toolholders that perform a wide variety of threads.



Expanding the product line with:

- C10 (Ø 10 mm) and C25 (Ø 25 mm), inserts and tool holders, for smaller and larger diameters.



- Inserts with multi and spiral flutes:
 - Shorter machining time due to multi 5 to 6 flutes
 - Smooth cutting operation
 - Low cutting pressure

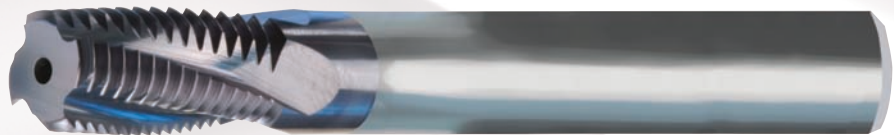
Spiral Mill-Thread

New Spiral Shell Mills with cutting diameters 32 mm and 45 mm, enables long overhang threads from M34 and up.



Mill-Thread Solid Carbide

MTB - New group of tools for PG threads



MTI - for threading deep parts

Expanding the product line with:

- Thread mills for Full Profiles ISO, UN
- Small diameter thread mills for Partial Profiles 55° and 60°



DMT - 3 in 1, Drill, Thread and Chamfer

Circular movement produces the thread hole, the thread and a chamfer in one work piece.

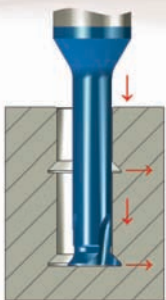


Expanded product line offering thread mills with smaller diameter for thread depth up to $2.5 \times D1$.
Tools without internal coolant.

Mini Chamfer

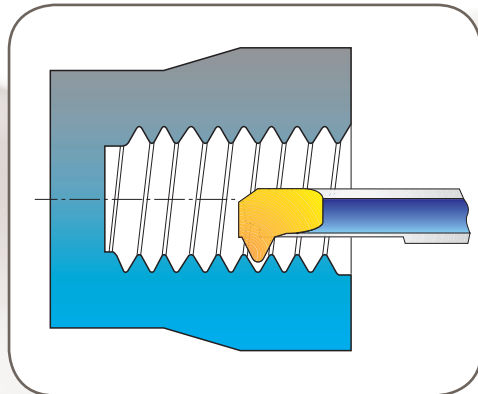
Dovetail 45°

- Optimal for deburring, back chamfering and grooving.
- Spiral flute allows smooth cutting action.
- One sided cutting.



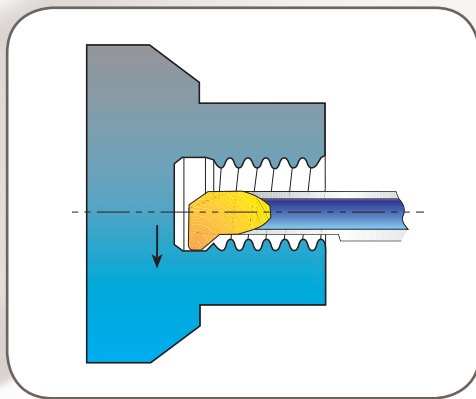
Tiny Tools

- **NEW Threading Tools for MIR NPT, Trapez, Acme**



- **NEW Products for MTR, MPR, MQR, MIR and MGR**

- **NEW family - MDR for thread relief, chamfering and grooving**



- **NEW Toolholders with \varnothing 25 mm**

