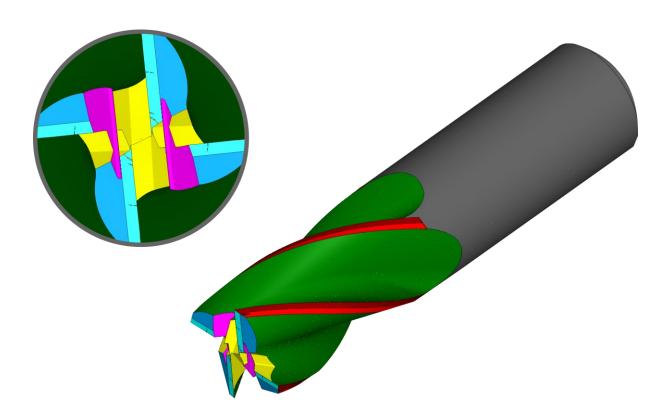


tool-kit PROFESSIONAL by MTS AG

## Software-Modules Spezification Stand: 12.01.23



MTS AG **Rheinstraße 81** CH-4133 Pratteln 1 Tel.:0041 / 61 81 59 130 Fax.: 0041 / 61 81 59 139 e-mail: info@mtsag.net www.mtsag.net

## MTS AG

Mathematisch- Technische Software

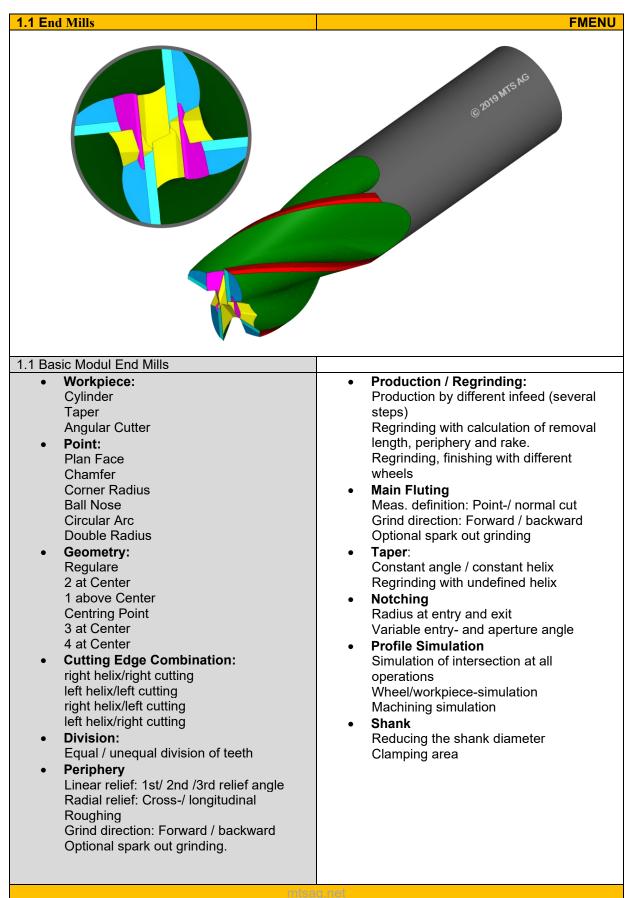


	Modul	Seite
	1. Endmills	4
	1.1 Basic Modul Endmills	4
	1.2 Ball	5
	1.3 Variably Helix	6
	1.4 Wave Cut	7
	2. Multi Cutter End Mill	8
	2.1 Basic Modul Multi Cutter End Mill	8
	2.2 Cross-Cutting	9
	2.3 1-Tooth Cross Flute	10
	3. Reamer	11
	3. Basic Modul Reamer	11
	4. Side Milling Cutter	12
	4.1 Basic Modul Side Milling Cutter	12
	5. Burrs	13
	5.1 Basic Modul Burrs	13
	6. Drills	14
	6.1 Basic Modul Drills	14
	6.2 Subland Drills	15
	6.3 S-Point	16
	6.4 Woodworking Tools	17
	6.5 MTS-GIGA-4FL	18
	7. Deep Hole Drills 7.1 Basic Modul Deep Hole Drills	19 19
	8. Profile Tools	20
	8.1 Basic Modul "Increasing/Downgrade Profile"	20
	8.2 Multi Fluting GeometryMehrere Nutgeometrien	21
	8.3 Radial Periphery	22
Constant of the second s	8.4 Multi-Cutter Geometry	23
	9.1 Taps	24
	9.1 Basic Modul Taps	24
	9.2 Produktion	25
	10. Core Drills	26
	10.1 Basic Modul Core Drills	26

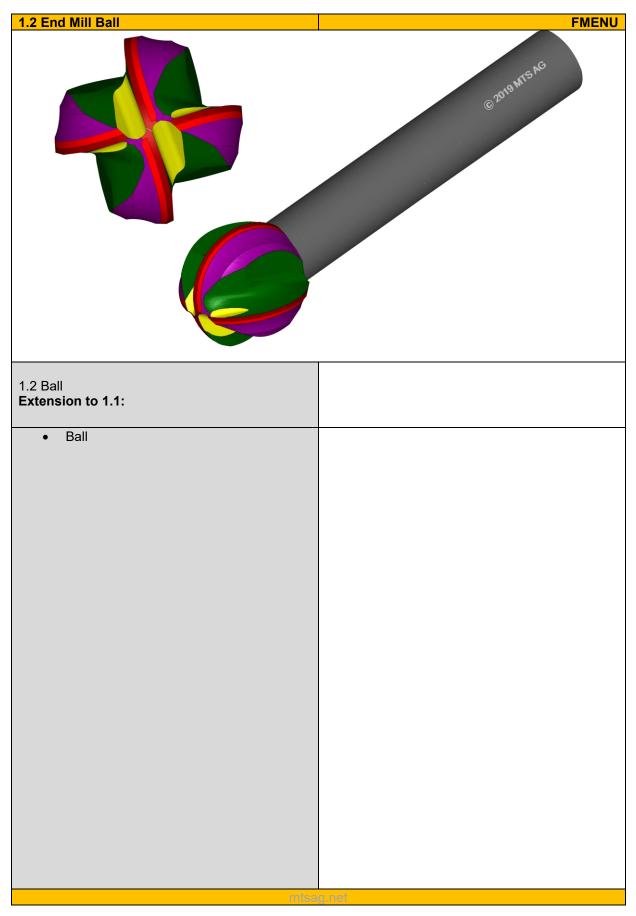


	11. Countersink 11. Basic Modul Countersink	27 27
	12. Profile Cutter 12.1 Basic Modul Profile Cutter	28 28
	13. Burins/Lathe Tool 13.1 Basic Modul Burins/Lathe Tool	29 29
	14. Punches 14.1 Basic Modul Punches	30 30
	15. Cutting Inserts 15.1 Basic Modul Cutting Inserts	31 31
	16. Preparation/Profile Processing 16.1 Basic Modul Preparation/Profile Processing	32 32
	Options	
	17.1 Construction of Flute Profile / Wheel Profile	33
	18.1 CAD Modul 19. Dressing Cycle / Wheel Profile	34 35
	20.1 Open Procedure Generator	36
	21.1 CNC-Collision-Control	37
	22.1 3D-Simulation " <i>tool-kit</i> 3D-view 2.0"	38
	23.1 Measurement-Cycles (for all MTS-Modul)	39
	24.1 MTS-interface to an external Measurement-Machine	40
<u>.</u>		

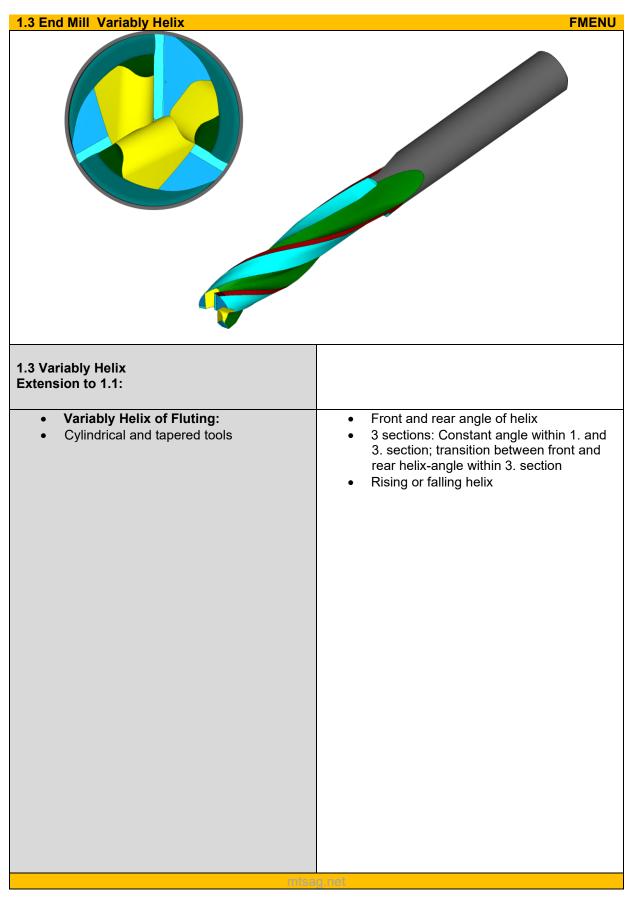




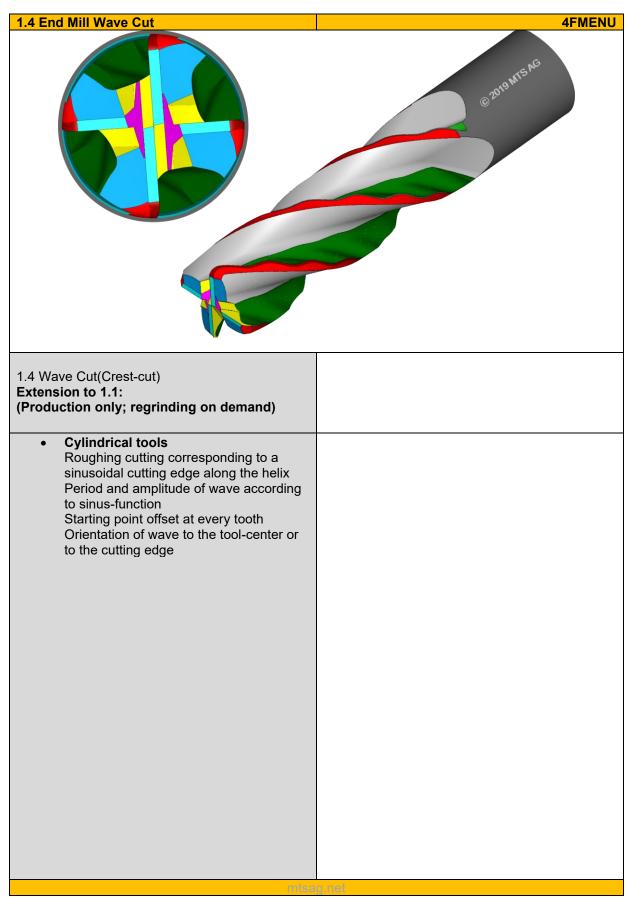




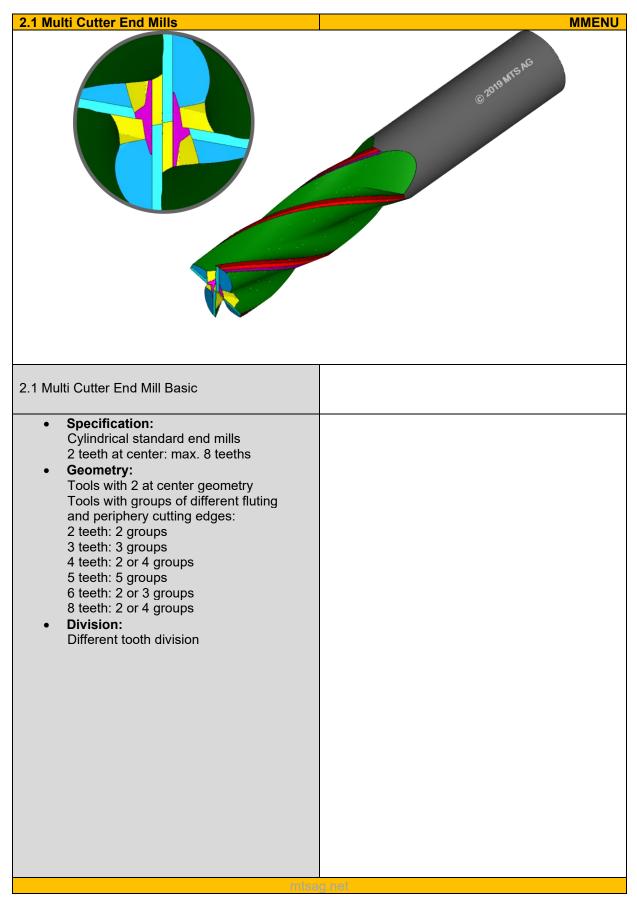




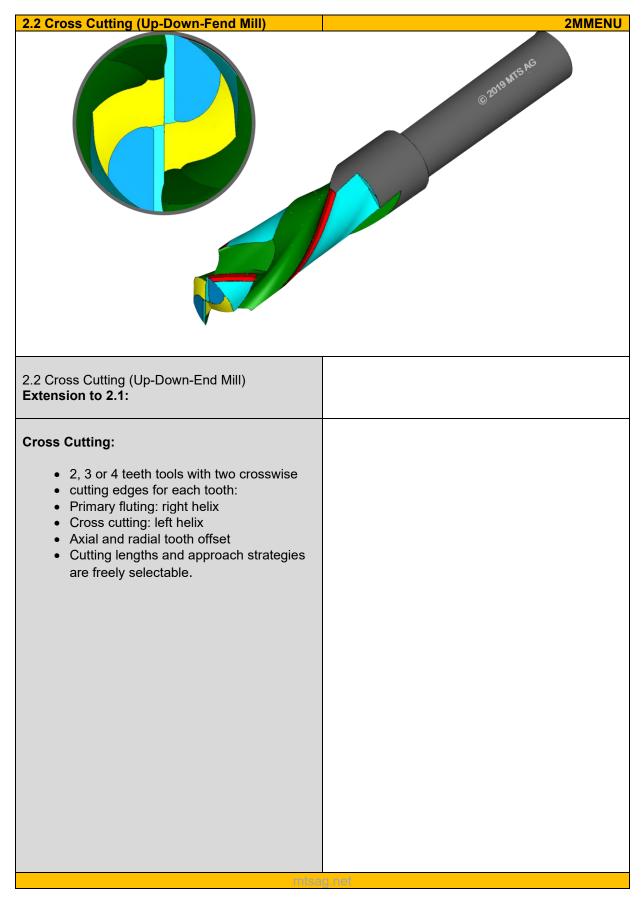








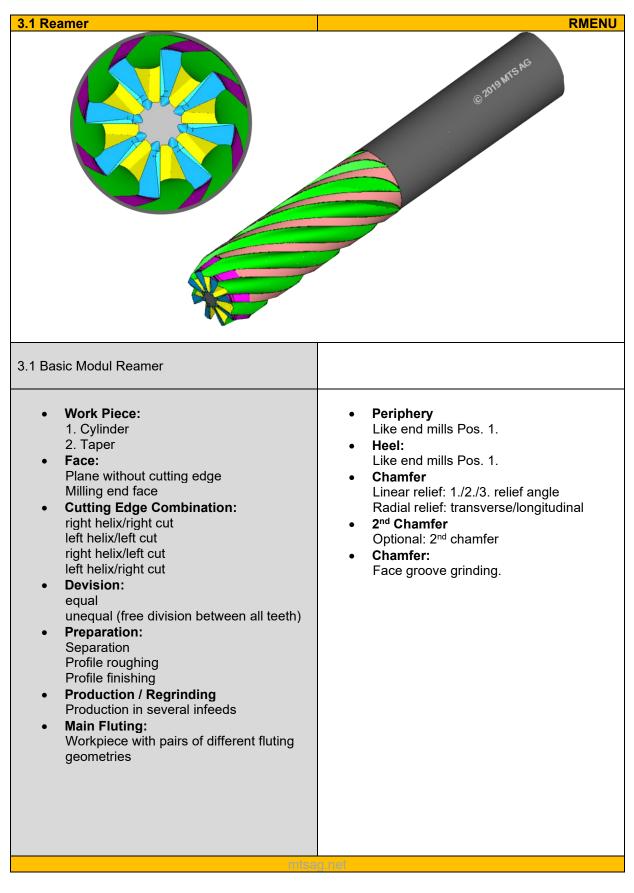




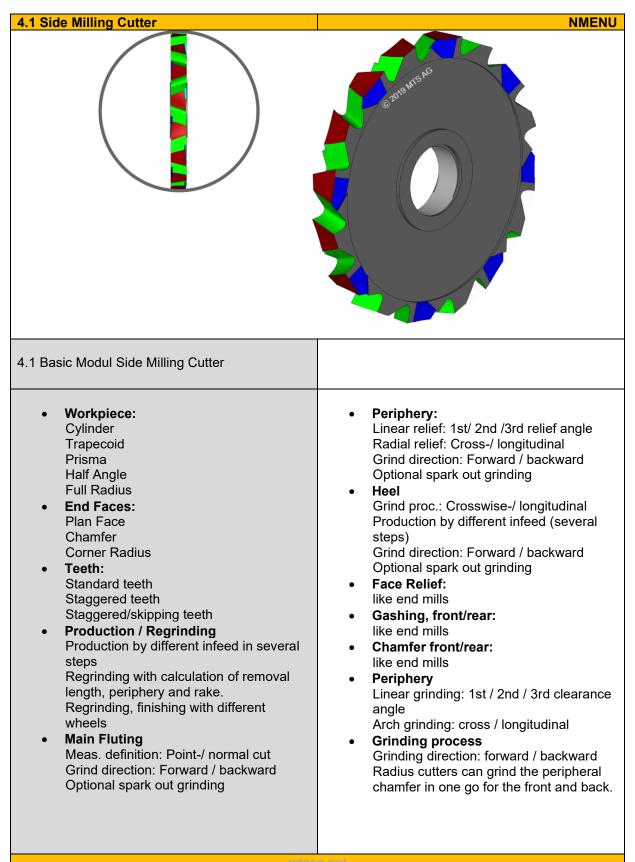


2.3 1-Tooth Cross Flute	3MMENU
2.3 1-Tooth Cross Flute	
Extension to 2.1:	
1-Zahn Cross Flute	
mtsa	g.net

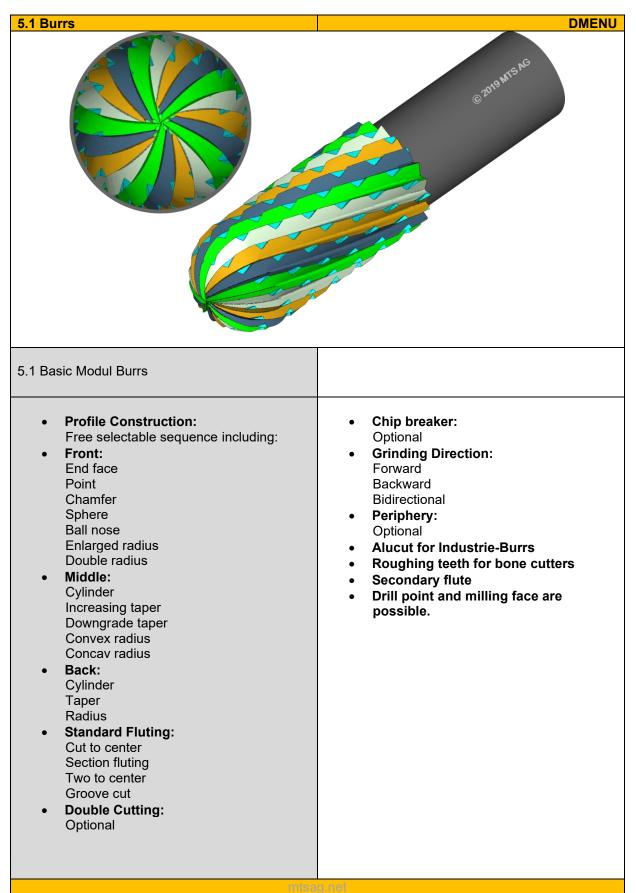




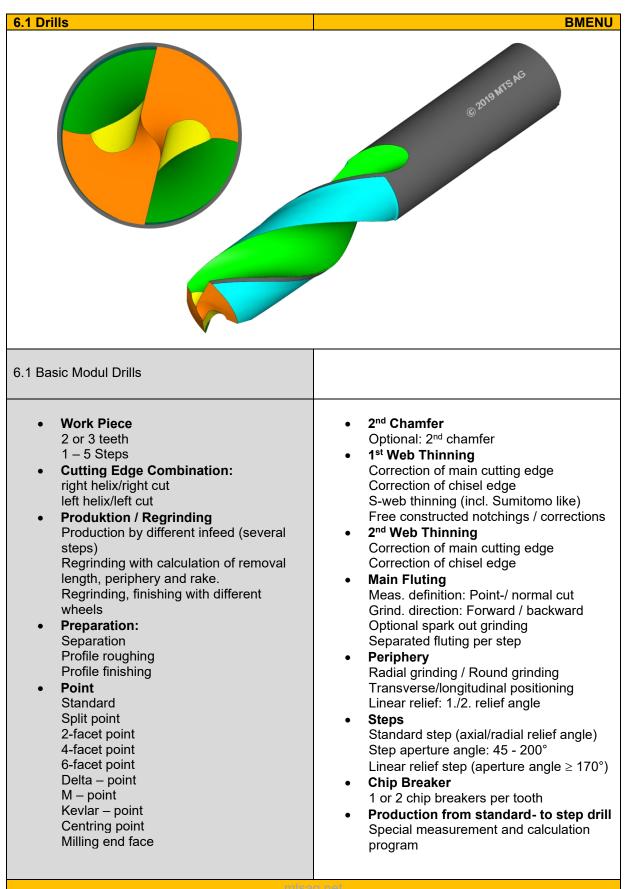




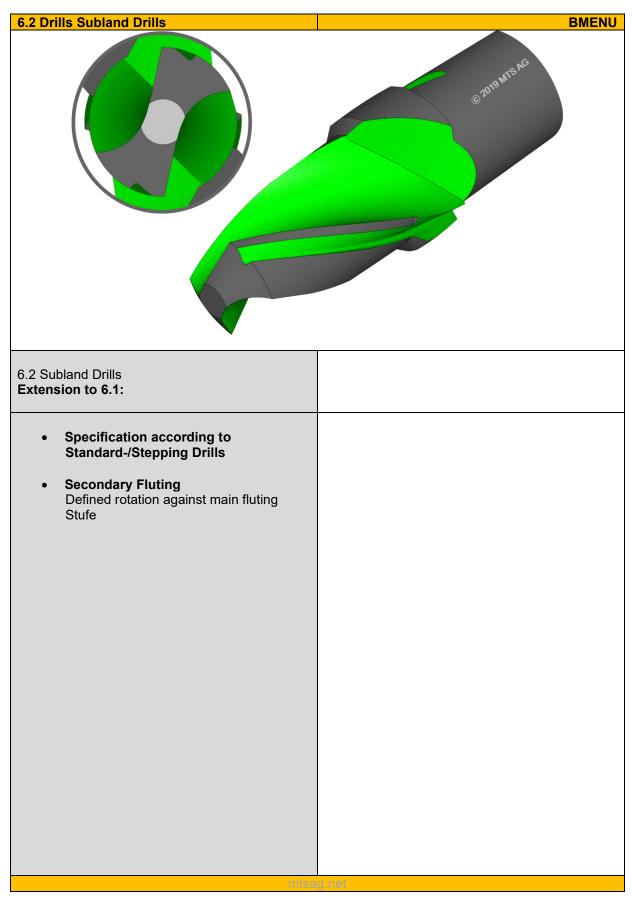




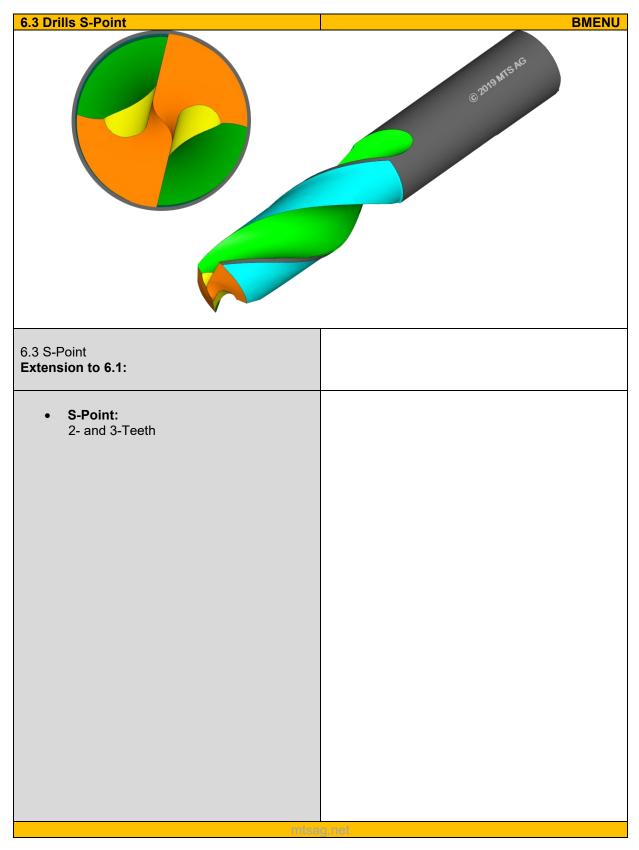




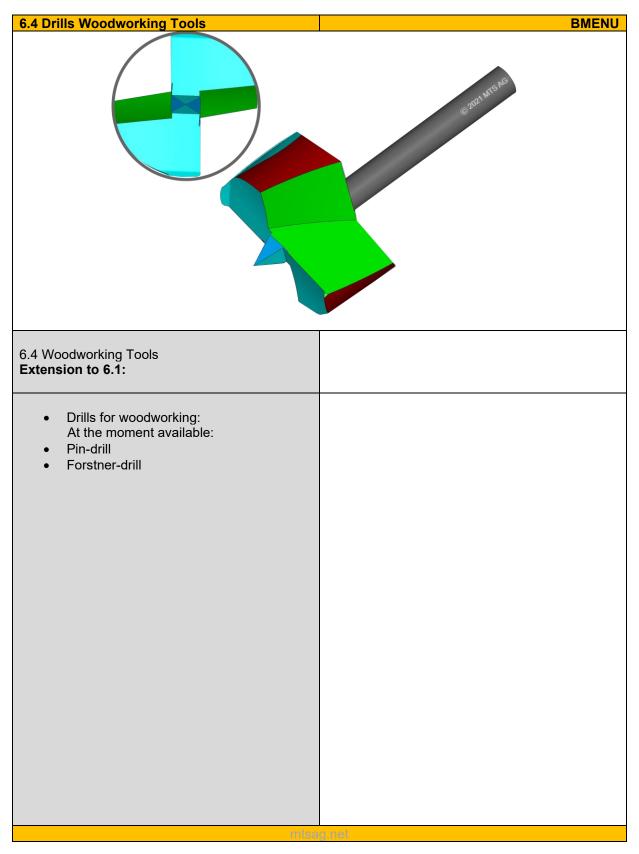




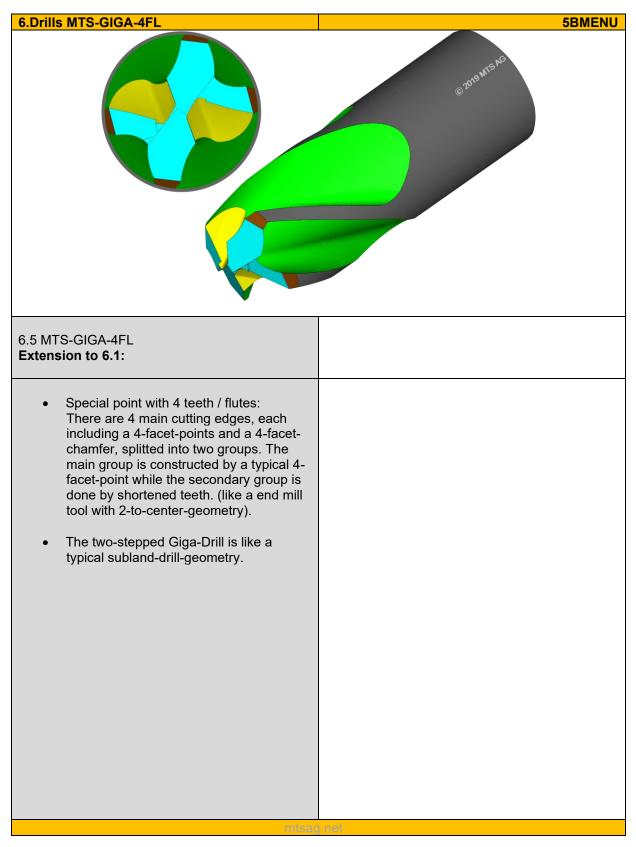




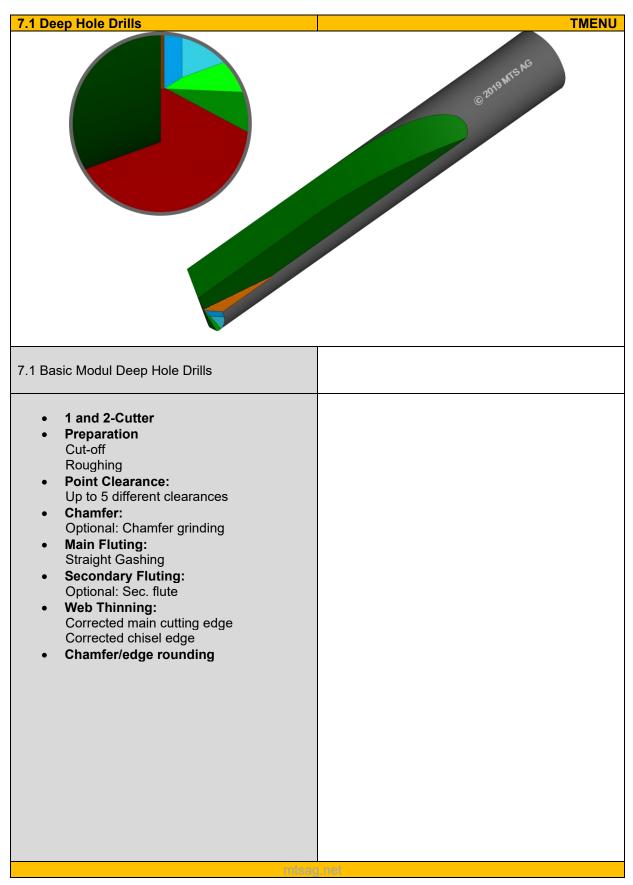




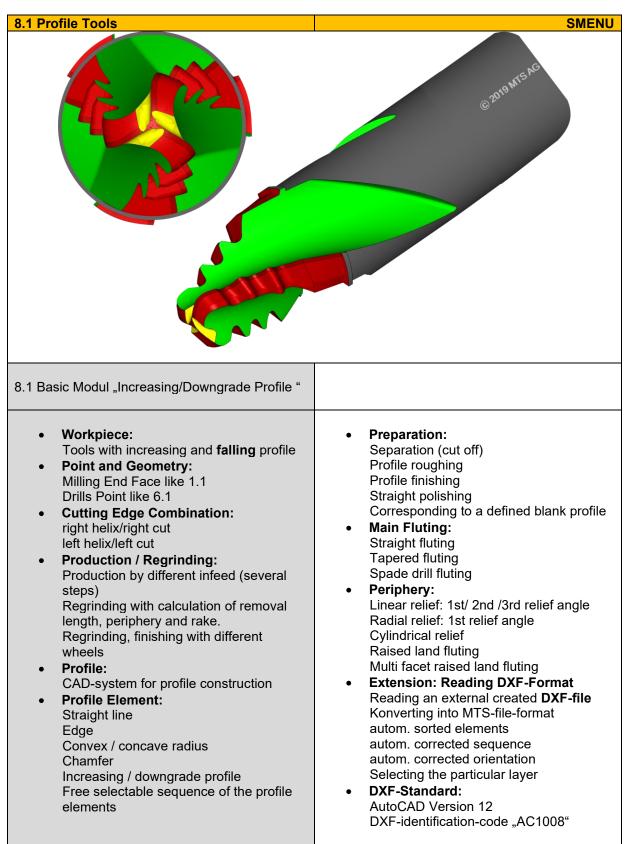














8.2 Profile Tools Multi Fluting Geometry	2SMENU
8.2 Multi Fluting Geometry Extension to 8.1:	
Extension to 8.1:	
<ul> <li>Multi Fluting Geometry: Up to 5 flutings with separate definition but common cutting edge</li> </ul>	
Up to 5 flutings with separate definition	
misa	ig.net

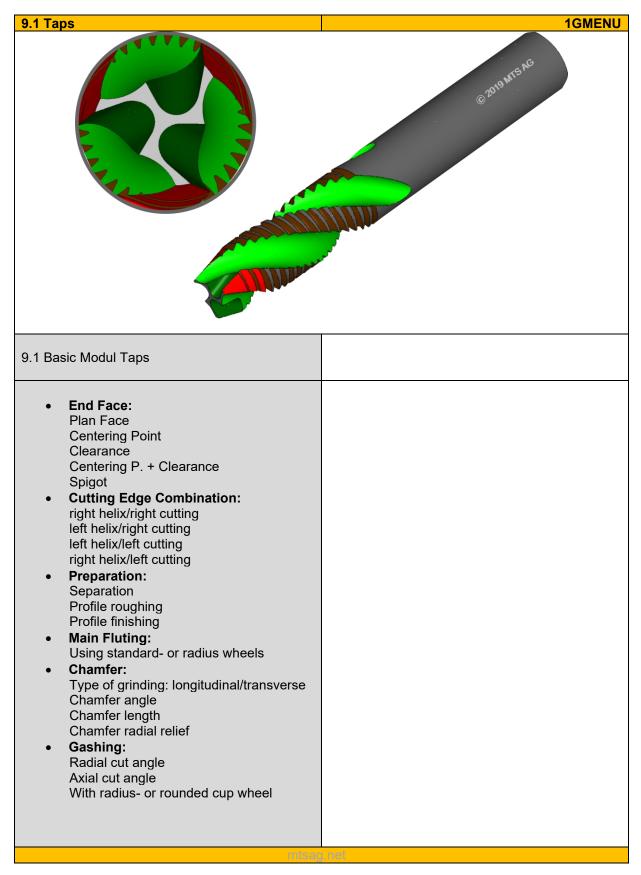


8.3 Profile Tools Radial Periphery	3SMENU
	1
0.2 Dediel Devinhern	
8.3 Radial Periphery Extension to 8.1:	
Radial Periphery:	
Radial periphery along discretionary	
sections	
Special grinding procedure by radius wheel	
wheel	
mtea	a net

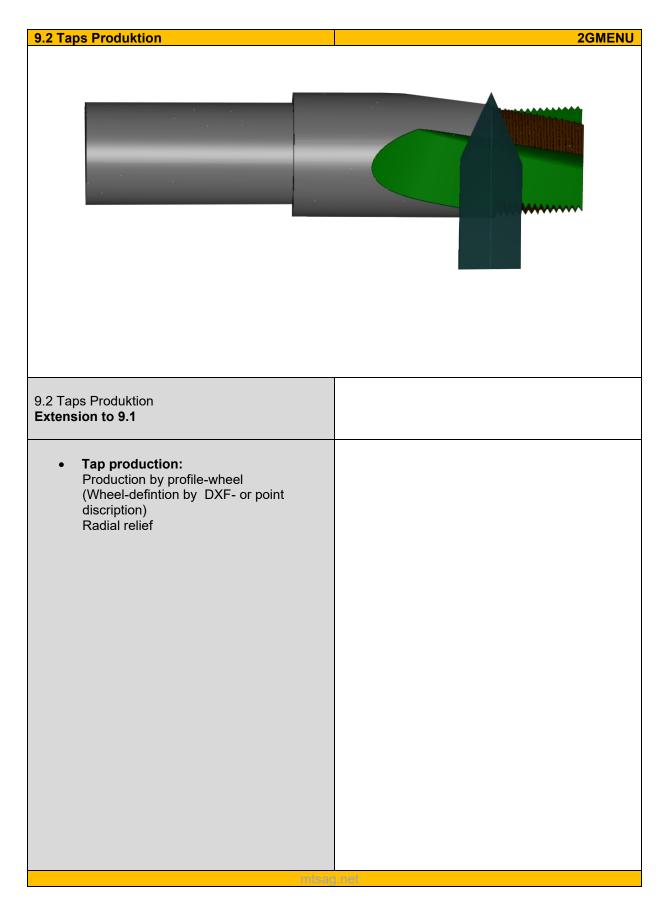


8.4 Profile Tools Multi Cutter Geometry	4SMENU
8.4 Multi Cutter Geometry Extension to 8.1:	
Extension to 8.1:	
Multi Cutting Geometry:	
Multi cutting tools with	
2 Groups	
In pairs different cut geometry	
mtsa	n not

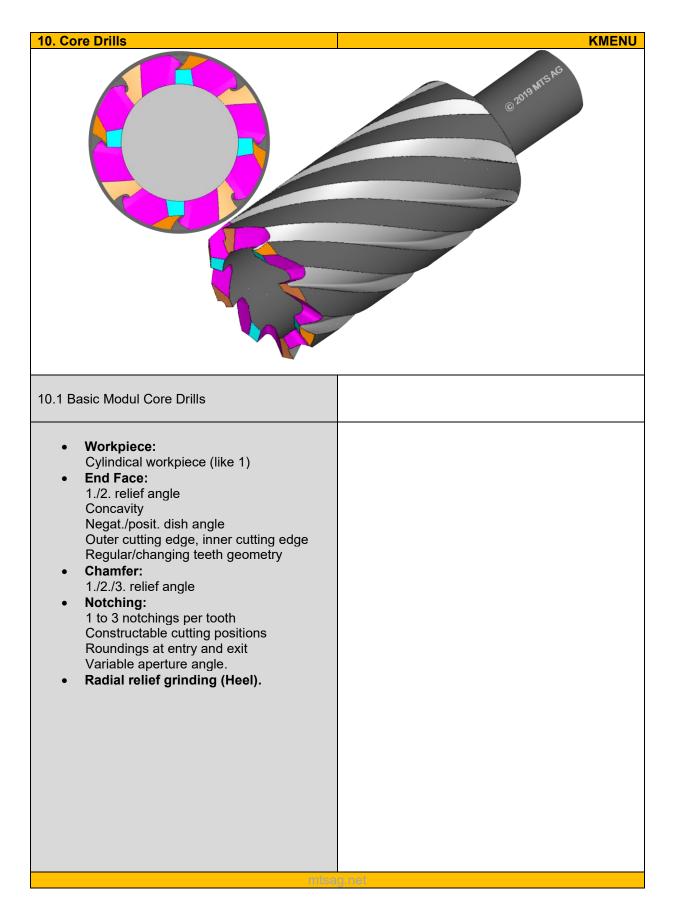




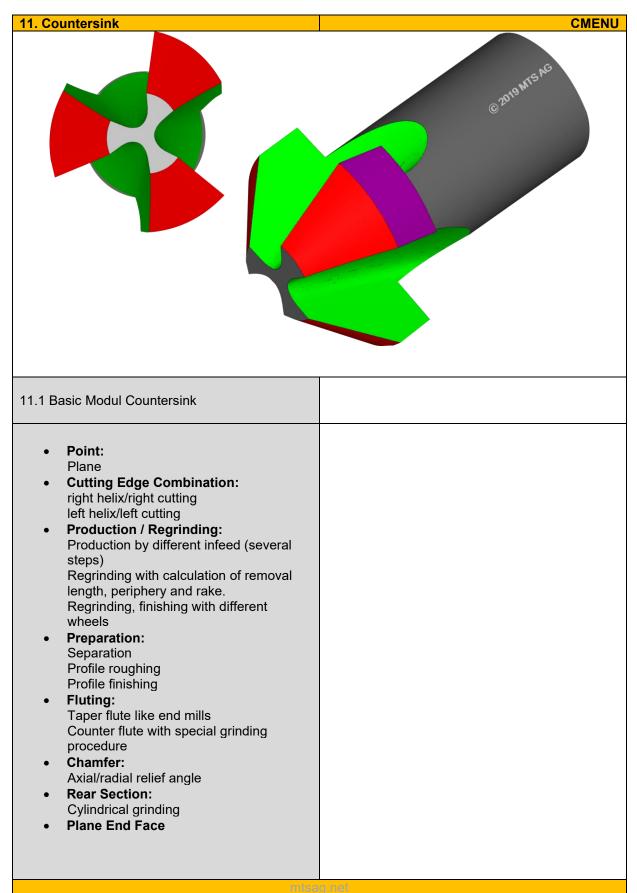




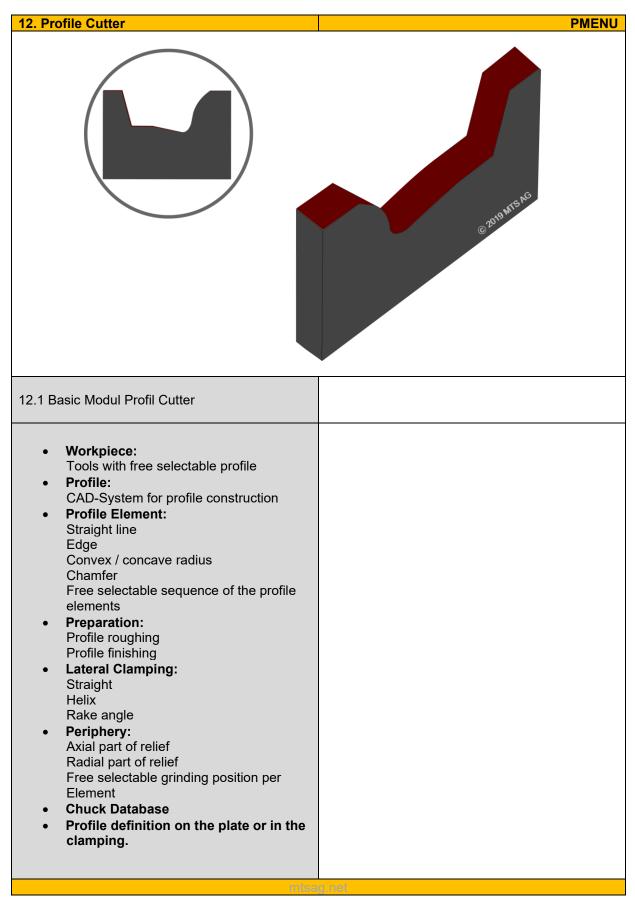




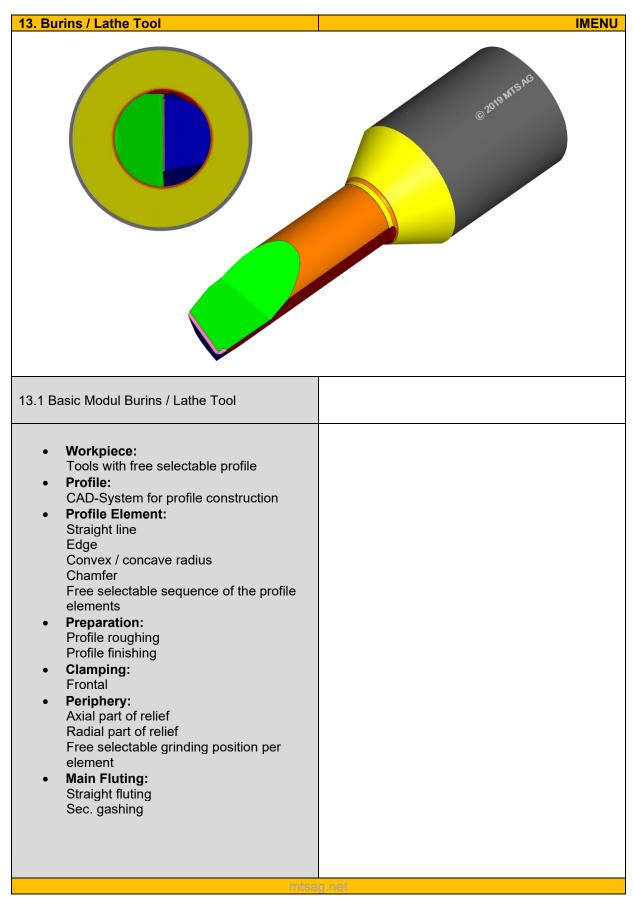




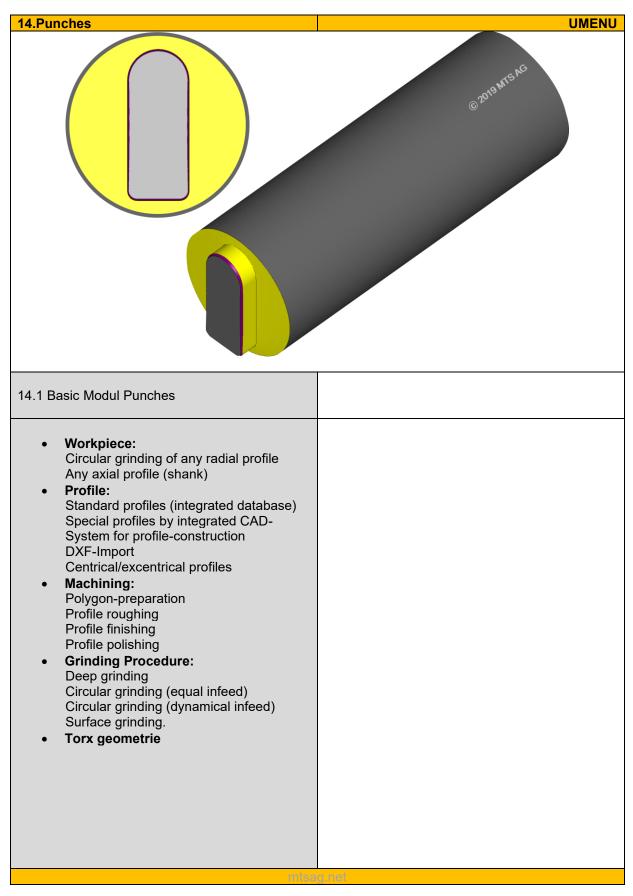




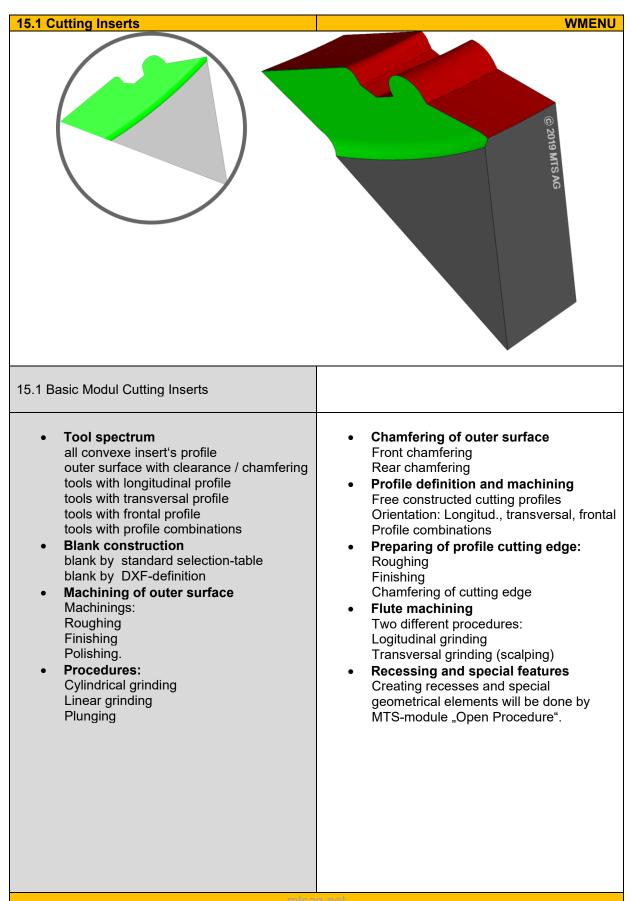




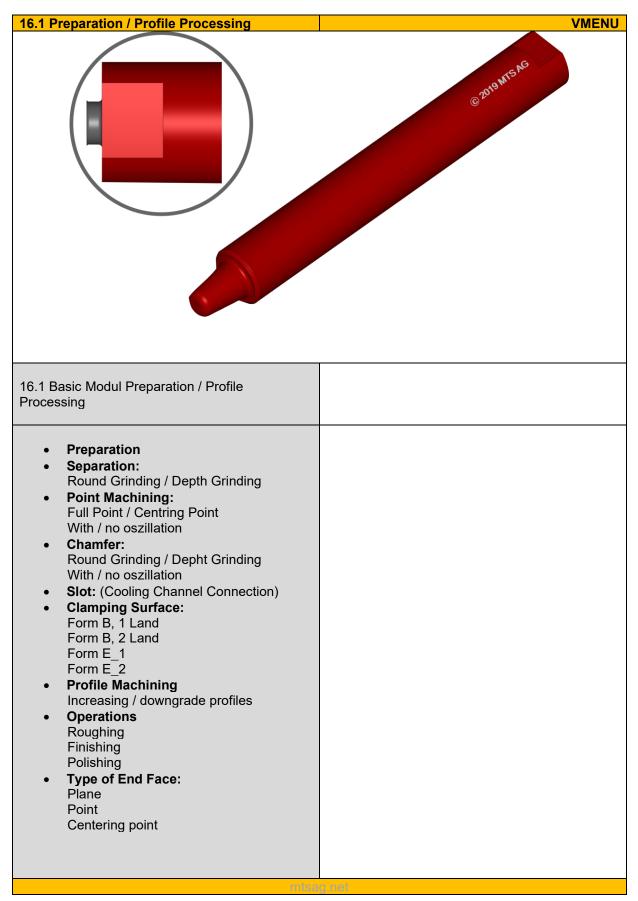




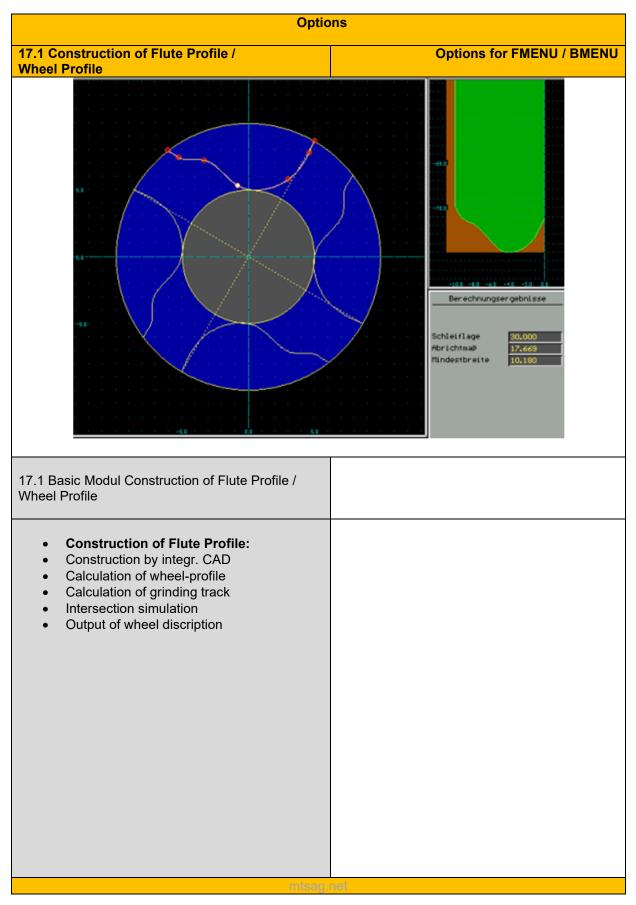




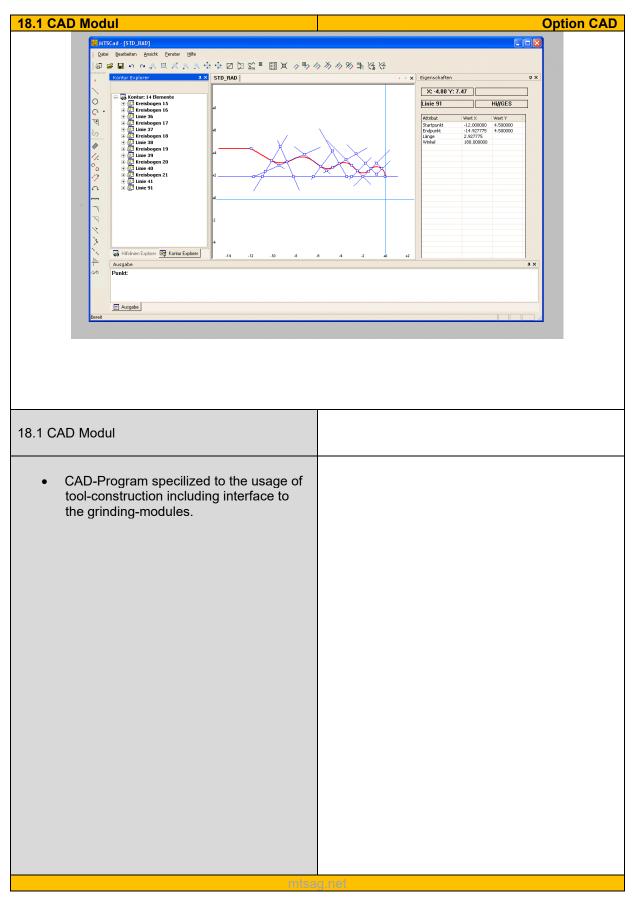




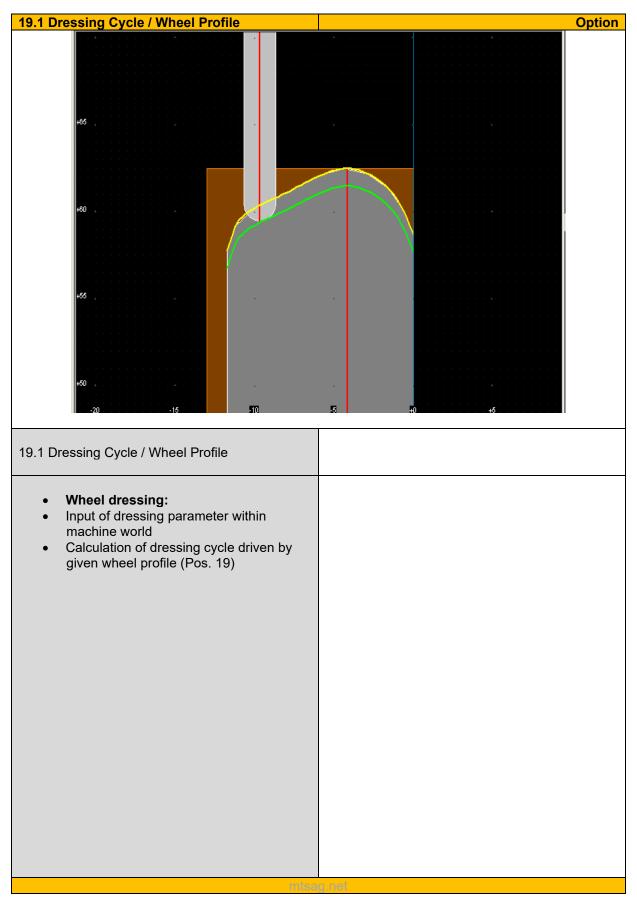




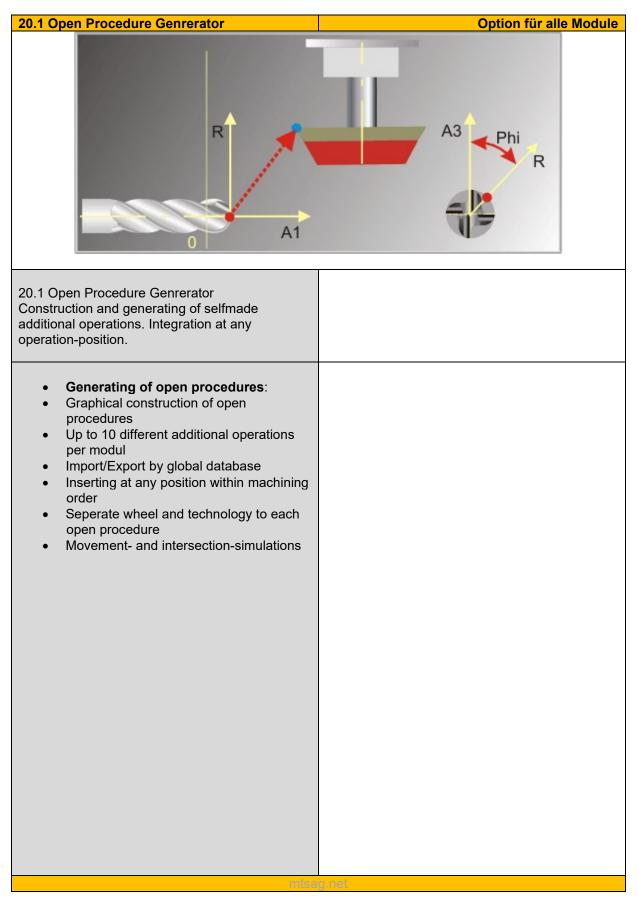




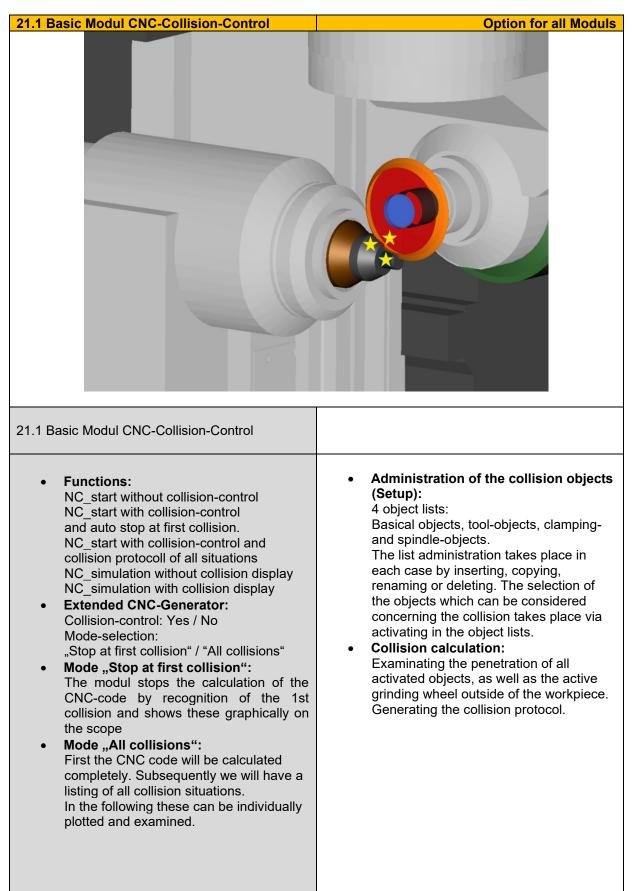




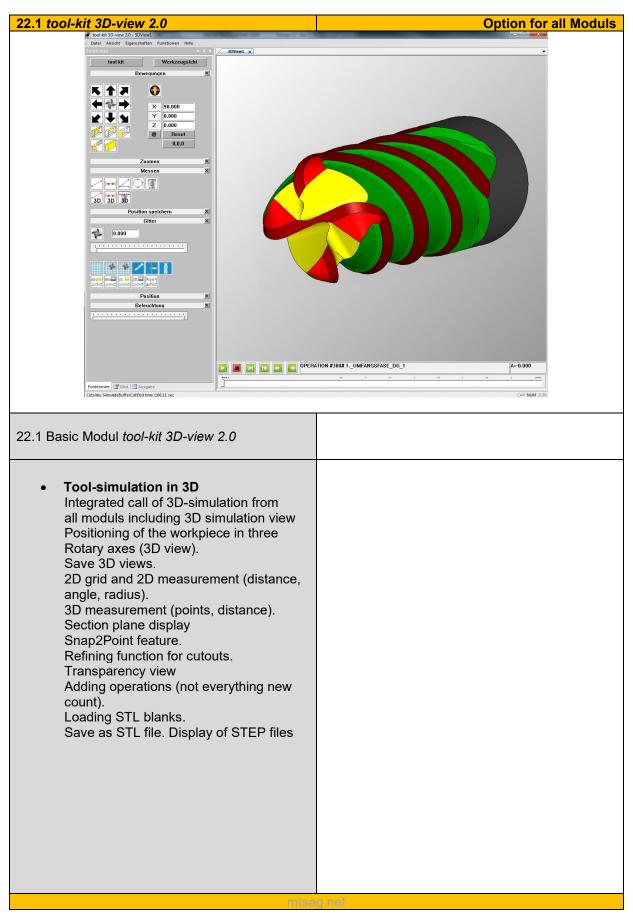




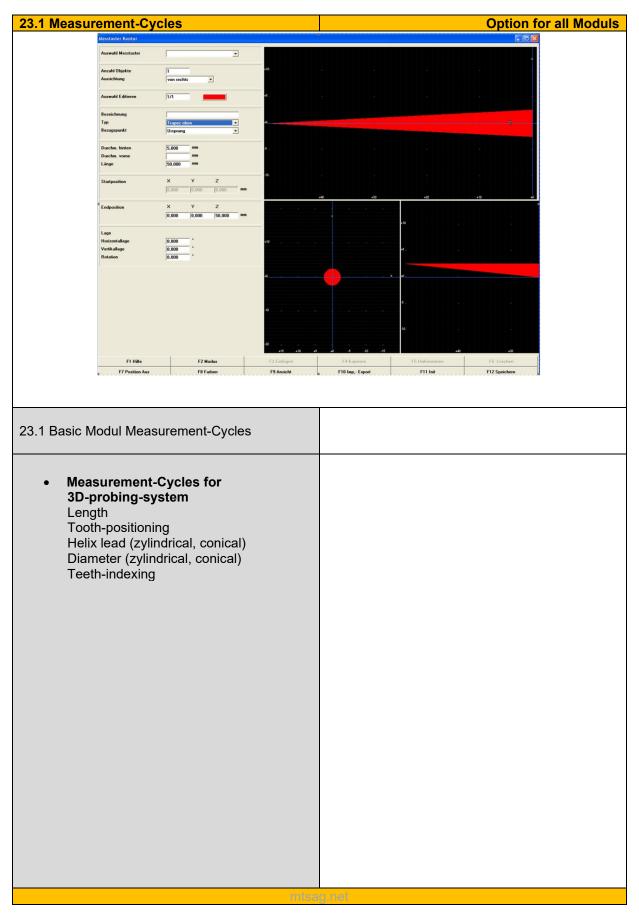














24.1 MTS-interface to an external Measurement-Machine	
Zoller Import	
Verzeichnis C:\AUMENU\ZOLLERTMP\	
T1 Version 1.4	
Typ Fräser	
Einheiten mm	
Me8datum 06.07.2010	
Meßzeit 13:33	
Name Nummer	
Kommentar Now	
F12 - Weiter ESC - Abbrechen 7000000000000000000000000000000000000	
24.1 MTS-interface to an external Measurement- Machine	
<ul> <li>Interface within tool-kit PROFESSIONAL to a measurement-maschine (Exp. Zoller genius 3).</li> <li>Exchange of geometry data between MTS software and a measuring machine.</li> <li>Measurement of workpiece data and wheel geometry</li> <li>Reading back the measured datas</li> <li>Decision for further processing.</li> <li>Correction Options:</li> <li>Correction st. e. at diameter rake-angle and wheel-distance.</li> <li>Using the operation-specifical corrections at machine-data or wheel-data.</li> <li>Correction of tool parameter: Correction in inverse direction to the actual value and setpoint.</li> </ul>	r,