



# PresetCheck

PC-based presetter software

PresetCheck is a tool presetter software for Windows XP/2000/NT. It can be flexibly integrated to various manual presetter devices. It has a database of tools, adapters and machine tools used in the system. It fully replaces original electronics of a presetter, connecting directly to the scales.

### Connectivity:

- PresetCheck connects to linear scales of presetter with Heidenhain IK220 card. This highly accurate card supports scales giving sine-cosine signal and trigger signal from cross-hair projector. Thus PresetCheck can be connected to all presetter devices having Heidenhain scales and to great variety of scales from other manufacturers as well (Acu-Rite, RSF Elektronik).
- PresetCheck can be integrated to Fastems FMS systems (<http://www.fastems.com>).
- PresetCheck uses natively Access '97 database via ADO interface. According customer demand, other database types can be used (Oracle, SQL server).

### Measurement features:

- Continuous and triggered measurement
- Measurement parameters are selected according tool (diameter/radius, tolerance, nose radius compensation) and machine tool (adapter length)
- Tools are identified by T-code, duplicate number and edge number
- Measurement of both x- and z-value or only z-value according tool type
- Shows graphical symbol of tool type
- Shows drawing of tool
- Tolerance check in saving of measurement
- Locking of current measurement values

### Measurement database:

- Keeps list of tools measured during session
- List of all measured tools
- Search of tools
- Print out of measured tools (current session, search results or all)

Tool	Duplicate	Edge	Radius	Z	X	Location	Pot	Lifetime	Status
00004711	0	1	0,000	248,710		Presetter	0	25	OK
00004711	1	1	0,000	0,000	0,000	Presetter	0	25	OK
21111461	0	1	1,200	195,343	188,152	Presetter	0	30	OK
21111462	0	1	1,200	205,944	174,710	Presetter	0	30	OK
21111463	0	1	1,200	246,701	193,654	Presetter	0	35	OK
21115661	0	1	1,200	223,621	205,574	Presetter	0	30	Plasattu
21121205	0	1	0,000	176,566	370,990	Presetter	0	30	OK
21201411	0	1	1,200	166,943	339,984	Presetter	0	30	OK
21201411	1	1	1,200	166,953	337,636	Presetter	0	30	OK
21201412	0	1	1,200	80,333	321,289	Presetter	0	35	OK
21201461	0	1	1,200	108,823	401,042	Presetter	0	40	OK
21201462	0	1	1,200	248,710	197,824	Presetter	0	30	OK

### General features:

- Print labels for each measured tool
- Print out of tool basic data
- Definition of adapters for each machine tool
- Tools can be associated to one or more machine tools
- Calibration of presetter with tolerance check
- Controls calibration interval of presetter
- Linear scaling factors can be used to correct positioning errors of presetter
- Multi-lingual user interface
- On-line help

