

**Änderungsindex Messkarte Software S168 025**  
 Release notes Measurement Card software S168 025



Version	Deutsch	English
S168025-500		<b>Features:</b> Initial release: - DGD communication protocol, which gives advantages in: o Multi-spindle configuration o Error Handling o Compatibility with STMH/STMHE Tightening Modules. o Easy migration of special mPro400 software to Hybrid platform.
S168025-501		<b>Features:</b> Updated 17 series motor parameters  <b>Bugfixes:</b> Improve accuracy for soft stop speed. Tq factor was always 0
S168025-502		<b>Bugfixes:</b> Fixed controller lockup (Improved parameter transmission)
S168025-503		<b>Bugfixes:</b> Improved angle accuracy
S168025-504		<b>Features:</b> Secondary display support Service and cable counter support
S168025-505		<b>Features:</b> FINDINI and OTINI support  <b>Bugfixes:</b> Stop rundown immediately when physical start button released (instead to wait for stop-command from mPro); Seq35 fixes; quickstop-timeout as warning (instead of error); Add keep-alive for diagnostic speed-test;
S168025-506		<b>Features:</b> Adjustable NeoTek LEDs brightness supported Forced NOK supported Seq 80 shutoff-torque-AND-angle supported
S168025-507		<b>Features:</b> Includes support for Accessory 2D Reader (937731PT, 942391PT, 942394PT)
S168025-506.1		<b>Bugfixes:</b> PRR-13226 fixed
S168025-508		<b>Features:</b> Includes support for Accessory Toollight
S168025-509		<b>Features:</b> Added feature "Torsion-Compensation", and added configuration for 48EAE Tool with Engel motor (PS36)
S168025-510		<b>Features:</b> Includes support for NeoTek Gyroscope Accessory
S168025-610		<b>Features:</b> Initial release for STMD-H 961905PT , same features as S168025-510

S168025-612		<b>Features:</b> <ul style="list-style-type: none"> <li>• REQ-14284 - Support for HW Rev 3.</li> <li>• PRR-11548 - Parametrizable ramps.</li> </ul> <b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-15317 – Display HW version in SystemInfo.</li> </ul>
S168025-515		<b>Features:</b> Reformat internal flash memory with ecc enabled. Downgrade to versions prior to 515 not possible.
S168025-516		<b>Features:</b> REQ-14734 - NAND Upgrade
S168025-517		<b>Features:</b> REQ-14801 - Software ECC in NAND REQ-14802 - Bootloader for Software ECC
S168025-518 / 618	<b>Features:</b> <ul style="list-style-type: none"> <li>• REQ-14597 – Tag Accessory Unterstützung</li> <li>• REQ-14726 – TubeNut Unterstützung</li> </ul> <b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-15464 - Seq13 Auswertung anders, wie STMH</li> <li>• PRR-15756 – Fehlerhafte Nacharbeit</li> <li>• PRR-16310 - Falsche Temperaturmessung in rev3B</li> </ul>	<b>Features:</b> <ul style="list-style-type: none"> <li>• REQ-14597 – Tag Accessory support</li> <li>• REQ-14726 – TubeNut support</li> </ul> <b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-15464 - Seq13 evaluation different as with STMH module</li> <li>• PRR-15756 – Broken error Handling</li> <li>• PRR-16310 - Wrong temperature measurement in rev3B</li> </ul>
S168025-519	<b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-16468 - Softwareupdate war nicht möglich von der Version 515 oder 516</li> </ul>	<b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-16468 - Software update was not possible from version 515 or 516</li> </ul>
S168025-620	<b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-16506 - Kein Grafikpunkt für exakten MS-Punkt</li> <li>• PRR-16501 - Touch screen hat nicht beim Secondary funktioniert</li> </ul>	<b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-16506 - No graphic-point for exact MS-reached angle</li> <li>• PRR-16501 - Touch screen does not work correctly on Secondary</li> </ul>
S168025-521_621	<b>Features:</b> <ul style="list-style-type: none"> <li>• REQ-14639 - MFU Daten Lesen/Schreiben</li> <li>• REQ-14805 - Service Zähler Faktoren und Bereiche lesen.</li> </ul> <b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-16991 - Langsame Kommunikation zwischen Primary und Secondary</li> </ul>	<b>Features:</b> <ul style="list-style-type: none"> <li>• REQ-14639 - Read/Write MFU Data</li> <li>• REQ-14805 - Read service counter range and factors</li> </ul> <b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-16991 - Slow communication between primary and secondary controllers</li> </ul>
S168025-522_622	<b>Features:</b> <ul style="list-style-type: none"> <li>• TIM-Spannung ab/anschalten falls Kommunikation mit Tool nicht funktioniert (REQ-15363)</li> </ul>	<b>Features:</b> <ul style="list-style-type: none"> <li>• Hard-reset tool (TIM) when communication with tool fails (tool-not-connected issue REQ-15363)</li> </ul>
S168025-523_623	<b>Features:</b> <ul style="list-style-type: none"> <li>• REQ-15297 Drehzahl mit 1/10 Genauigkeit unterstützt</li> </ul>	<b>Features:</b> <ul style="list-style-type: none"> <li>• REQ-15297 Support speed in Deci-RPM accuracy with 1 decimal place</li> </ul>
S168025-624	<b>Features:</b> <ul style="list-style-type: none"> <li>• REQ-15499 - Support new Display</li> </ul> <b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-17909 - STMD Software Absturz mit Seq31 und 51</li> </ul>	<b>Features:</b> <ul style="list-style-type: none"> <li>• REQ-15499 - Support new display</li> </ul> <b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-17909 - STMD Software crashes with Seq31 and 51</li> </ul>
S168025-524	<b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-17909 - STMD Software Absturz mit Seq31 und 51</li> </ul>	<b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-17909 - STMD Software crashes with Seq31 and 51</li> </ul>
S168025-625	<b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-18040 very high negative torque in archive graph</li> <li>• PRR-18136 analog-tool offset error</li> </ul>	<b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-18040 very high negative torque in archive graph</li> <li>• PRR-18136 analog-tool offset error</li> </ul>
S168025-525	<b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-17614 patch uboot to change memory frequency to 504MHz</li> <li>• PRR-18040 very high negative torque in archive graph</li> <li>• PRR-18136 analog-tool offset error</li> </ul>	<b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-17614 patch uboot to change memory frequency to 504MHz</li> <li>• PRR-18040 very high negative torque in archive graph</li> <li>• PRR-18136 analog-tool offset error</li> </ul>

S168025-626	<b>Features:</b> <ul style="list-style-type: none"> <li>• Support of BD-Spindle</li> <li>• Support of BD-Minispindle</li> </ul>	<b>Features:</b> <ul style="list-style-type: none"> <li>• Support of BD-Spindle</li> <li>• Support of BD-Minispindle</li> </ul>
S168025-527	<b>Features:</b> <ul style="list-style-type: none"> <li>• In case BD-spindle connected, show info that it is not supported by 5xx series (REQ-15752)</li> </ul> <b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• Fix CRC-error on 18 / 48 tools (PRR-18605)</li> </ul>	<b>Features:</b> <ul style="list-style-type: none"> <li>• In case BD-spindle connected, show info that it is not supported by 5xx series (REQ-15752)</li> </ul> <b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• Fix CRC-error on 18 / 48 tools (PRR-18605)</li> </ul>
S168025-627	<b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• Fix CRC-error on 18 / 48 tools (PRR-18605)</li> <li>• Fix AN2F-error when current-redundancy enabled on BD-minispindle (PRR-18522)</li> </ul>	<b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• Fix CRC-error on 18 / 48 tools (PRR-18605)</li> <li>• Fix AN2F-error when current-redundancy enabled on BD-minispindle (PRR-18522)</li> </ul>
S168025-528		<b>Features:</b> <ul style="list-style-type: none"> <li>• REQ-15790 - STO-state as TM_DIDO input</li> <li>• REQ-15808 - Increase SSIO-Clk drive strength.</li> </ul> <b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-12885 - Date/time for EMS-entry incorrect</li> <li>• PRR-17390 – Sporadic servo-initialization error after reboot</li> <li>• PRR-17538 – Service-counter-areas wrong when set first time with TSI-viewer.</li> <li>• PRR-18742 – Sporadic log-messages with no content</li> </ul>
S168025-628		<b>Features:</b> <ul style="list-style-type: none"> <li>• REQ-15790 - STO-state as TM_DIDO input</li> <li>• REQ-15808 - Increase SSIO-Clk drive strength</li> </ul> <b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-12885 - Date/time for EMS-entry incorrect</li> <li>• PRR-17390 – Sporadic servo-initialization error after reboot</li> <li>• PRR-17538 – Service-counter-areas wrong when set first time with TSI-viewer</li> <li>• PRR-18742 – Sporadic log-messages with no content</li> </ul>
S168025-529		<b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-19133 – Speed displayed negative for odd-gearing tools</li> <li>• PRR-19128 – False transducer-calibration offset-alarm</li> </ul>
S168025-629		<b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-18424 - BDU-spindle torque measured negative.</li> <li>• PRR-19133 – Speed displayed negative for odd-gearing tools.</li> <li>• PRR-19128 – False transducer-calibration offset-alarm</li> </ul>
S168025-630		<b>Features:</b> <ul style="list-style-type: none"> <li>• REQ-15969 – Support odd-gearing at output-drive</li> <li>• REQ-15974 - Seq35 should support angle as parameter (not set parameter-error shutoff when angle too low/high)</li> </ul>

S168025-531		<p><b>Features:</b></p> <ul style="list-style-type: none"> <li>• REQ-15969 – Support odd-gearing at output-drive (not relevant for v5xx, since they do not support BD-spindles)</li> <li>• REQ-15974 - Seq35 should support angle as parameter (not set parameter-error shutoff when angle too low/high)</li> </ul> <p><b>Bugfixes:</b></p> <ul style="list-style-type: none"> <li>• PRR-18980 – Various measurement-card errors (IRED, FMK), due to timing issues in v5xx version</li> <li>• PRR-19272 – Stage-result was sent twice to controller if rundown was aborted before final stage</li> </ul>
S168025-631		<p><b>Bugfixes:</b></p> <ul style="list-style-type: none"> <li>• PRR-18980 – Various measurement-card errors (IRED, FMK), due to timing issues in v5xx version (not relevant for v6xx, since faster than v5xx)</li> <li>• PRR-19272 – Stage-result was sent twice to controller if rundown was aborted before final stage</li> </ul>
S168025-532		<p><b>Bugfixes:</b></p> <ul style="list-style-type: none"> <li>• PRR-19797 – Gyroscope GCOM error when ToolHeadAngle entry is missing.</li> <li>• PRR-19799 – Gyroscope correction reversed with negative tool speed.</li> <li>• PRR-19747 – Maintenance-counter system warning sent, even if controller do not use maintenance-counter</li> </ul>
S168025-632		<p><b>Bugfixes:</b></p> <ul style="list-style-type: none"> <li>• PRR-19797 – Gyroscope GCOM error when ToolHeadAngle entry is missing.</li> <li>• PRR-19799 – Gyroscope correction reversed with negative tool speed.</li> <li>• PRR-19747 – Maintenance-counter system warning sent, even if controller do not use maintenance-counter</li> </ul>
S168025-533		<p><b>Features:</b></p> <ul style="list-style-type: none"> <li>• REQ-15813 - Snugpoint detection on the fly</li> <li>• REQ-16112 - Support flexible extended parameterset</li> <li>• REQ-16113 - Automatic speed-change in new Seq35 variant</li> <li>• REQ-16197 - Patch motor-parameters to prevent too early i2c-error</li> <li>• REQ-16198 - New output-head parameters in SIM for gear-translation and efficiency</li> </ul> <p><b>Bugfixes:</b></p> <ul style="list-style-type: none"> <li>• PRR-19523 - Support STMD-H 961905PT-XS7</li> </ul>
S168025-633		<p><b>Features:</b></p> <ul style="list-style-type: none"> <li>• REQ-15813 - Snugpoint detection on the fly</li> <li>• REQ-16112 - Support flexible extended parameterset</li> <li>• REQ-16113 - Automatic speed-change in new Seq35 variant</li> <li>• REQ-16197 - Patch motor-parameters to prevent too early i2c-error</li> <li>• REQ-16198 - New output-head parameters in SIM for gear-translation and efficiency</li> <li>• REQ-16032 - Dump ethernet-statistic in log-file (in case of missing packets)</li> </ul> <p><b>Bugfixes:</b></p> <ul style="list-style-type: none"> <li>• PRR-19523 - Support STMD-H 961905PT-XS7</li> </ul>

S168025-534		<b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-18193 - Seq16 is not functional, error RES occur</li> <li>• PRR-19825 - Gyro error at start of second stage</li> </ul>
S168025-634		<b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-18193 - Seq16 is not functional, error RES occur</li> <li>• PRR-19825 - Gyro error at start of second stage</li> </ul>
S168025-535		<b>Features:</b> <ul style="list-style-type: none"> <li>• REQ-16332 - Seq35: shutoff-reason for torque-at-snugpoint to high/low changed.</li> <li>• REQ-16333 – Snugpoint detection (Seq30/31/50/51) shutoff-reason for snugpoint-not-found changed.</li> <li>• REQ-16338 - Snugpoint-detection support for Seq31/51</li> </ul>
S168025-635		<b>Features:</b> <ul style="list-style-type: none"> <li>• REQ-16332 - Seq35: shutoff-reason for torque-at-snugpoint to high/low changed.</li> <li>• REQ-16333 – Snugpoint detection (Seq30/31/50/51) shutoff-reason for snugpoint-not-found changed.</li> <li>• REQ-16338 - Snugpoint-detection support for Seq31/51</li> </ul>
S168025-536		<b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-20556 - Seq30/31/50/51 RES-error when using mPro-817</li> </ul>
S168025-636		<b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-20556 - Seq30/31/50/51 RES-error when using mPro-817</li> </ul>
S168025-537		<b>Features:</b> <ul style="list-style-type: none"> <li>• REQ-16346 – optional parametrizable speedswitch-torque for Seq31/51</li> </ul> <b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-20634 – missing screwing-graphic in TorqueNet</li> <li>• PRR-20668 – graphic points sometimes missing, when threshold-torque parametrized to 0</li> </ul>
S168025-637		<b>Features:</b> <ul style="list-style-type: none"> <li>• REQ-16346 – optional parametrizable speedswitch-torque for Seq31/51</li> </ul> <b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-20634 – missing screwing-graphic in TorqueNet</li> <li>• PRR-20668 – graphic points sometimes missing, when threshold-torque parametrized to 0</li> </ul>
S168025-538		<b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-20746: Systemwarning that transducer-check failed, was set by mistake.</li> <li>• PRR-21033: Sporadic false FMK-Error “start signals not plausible”</li> <li>• PRR-21049: Parameterset-check fail, since reply-length was too short</li> </ul>
S168025-638		<b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-20746: Systemwarning that transducer-check failed, was set by mistake.</li> <li>• PRR-21033: Sporadic false FMK-Error “start signals not plausible”</li> <li>• PRR-21049: Parameterset-check fail, since reply-length was too short</li> </ul>

S168025-539		<b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-21397 Tool data was not sent reliably to controller.</li> <li>• PRR-21110 Tool stop after time TA if TA larger than 447 ms</li> <li>• PRR-21158 TSI parser reports wrong error.</li> </ul>
S168025-639		<b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-21397 Tool data was not sent reliably to controller.</li> <li>• PRR-21110 Tool stop after time TA if TA larger than 447 ms</li> <li>• PRR-21158 TSI parser reports wrong error.</li> <li>• PRR-21487 - EMS error 3008</li> <li>• PRR-21490 - improved EMS error 22007</li> </ul>
S168025-540		<b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-21843 - Possible issue with sequence 73 after RC.</li> </ul>
S168025-640		<b>Bugfixes:</b> <ul style="list-style-type: none"> <li>• PRR-21843 - Possible issue with sequence 73 after RC</li> <li>• PRR-21662 - Fix FMK EMS 36041</li> </ul>