

**VERSION 2021.1**

<b>Software Level</b>	<b>Details</b>	<b>Date</b>
2021.1	<p>Inclusion of GT-SUITE modelling functionality to allow high fidelity simulations to be easily performed using GT-SUITE package</p> <p>'Zoom All' bottom added to graphical window</p> <p>Units added to 'Volume Req'd' parameter, matching those chosen in 'Approx. Capacity'</p> <p>Results and charts removed when 'Calculate Profiles' button clicked to prevent mismatch between gerotor design and results on display</p> <p>Charts named to enable manipulation by third party software</p> <p>Chart positions and sizes can also be saved with 'Screen Layout' save function</p> <p>Design Assistant updated to be more intuitive and prevent unintended use</p> <p>Holding the rotation buttons on graphical form keep rotor image rotating until button released</p> <p>Radial clearance added as separate parameter</p> <p>Help file updated to included more detail and walkthroughs</p> <p>Numerous GUI updates</p>	04/05/2021

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2.1.2	Removed 'Drawing Resolution' feature (carryover feature from V1. Useful on slow PCs, not an issue with later machines. Redundant feature). Licensing model updated (more secure). Trial version increased to 30 days (was 10 uses).	03/07/2016
2.1.3	License Agreement added.	10/07/2016
2.1.4	STEP file generation feature - Generate STEP (.stp) files direct from GDS for import into non supported CAD platforms. Inner Rotor; Outer Rotor; Rotor Assembly & Porting are all available in STEP format.	15/01/2017
2.1.5	<p>Minor bug fixes to eliminate error messages under specific conditions (porting, pressure ripple graph generation, eccentricity = 0 error message with 'Design Rotors').</p> <p>Further improvements to the 'Design Rotors' routine, to reduce additional user input.</p> <p>Ability to save the Gerotor Parameter Explanation and Port Parameter Explanation screens as part of the screen layout (so always visible).</p>	11/03/2017

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2.1.6	<p>Decimal point separator in Step files constrained to always be a 'dot' even with Windows configured to use a 'comma' (Step file format requires 'dot').</p> <p>Text used on GDS forms changed to Arial instead of Sans Serif, to fix a graphical error on some Windows systems.</p> <p>In program chart errors fixed: unreadable values on Power chart Y axes with small gerotors; minimisation of charts caused GDS to crash.</p> <p>Error fixed with View Window which caused GDS to crash if it was re-sized too quickly.</p> <p>Ability to save screen layout allows main program screen size to be user defined (not only maximum screen size).</p>	11/05/2017
2.1.7	<p>Minor profile error (under certain conditions) on inner rotor fixed (slight reversal of profile at transition of lobe to inner root radius). Error prevented correct modelling of inner rotor.</p>	16/05/2017

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2.1.8	<p>Further improvements to rotor profile generation.</p> <p>Improvements to Contact Stress model and accuracy of results.</p> <p>Resolved issue with SOLIDWORKS inner rotor profile on small gerotors (sawtooth profile error).</p> <p>Addition of GT-SUITE launch button - provides information for forthcoming feature release (does not yet launch GT-SUITE).</p>	31/08/2017

<b>VERSION 2.0</b>
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<b>Software Level</b>	<b>Details</b>	<b>Date</b>
2.0.7	Initial release of V2.0	17/06/2011
2.0.8	Error trap introduced for update checking routine	30/06/2011
2.0.9	<p>Corrections made to prevent confusion with comma (,) as decimal separator (i.e. in some European locales). All inputs changed to (.) decimal separator automatically to prevent errors with internal calculations.</p> <p>Output text file format changed from .csv to .txt to prevent formatting confusion with European locales using comma (,) as decimal separator</p>	18/07/2011
2.0.10	<p>Improved inner rotor profile error checking method</p> <p>Improved Solid Edge modelling technique to prevent errors during creation of inner rotor</p>	10/08/2011
2.0.11	Prevention of 'loop' error with port radius if rotor parameters changed after porting design completed	11/08/2011
2.0.12	Included 'Flow vs Pressure' text file within the Performance Data Files output	24/10/2011
2.0.13	Further improvements to Solid Edge models for inner and outer rotors	26/10/2011
2.0.14	Correct port radius error (as version 2.0.11) for imperial units	03/01/2012
2.0.15	Decimal separator corrections for DXF and CNC output files	21/02/2012

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<b>Software Level</b>	<b>Details</b>	<b>Date</b>
2.0.16	Revised axial leakage calculations - much more accurate predictions especially for higher pressures and smaller gerotor sets.  Fixed bug with the 'Flow' graph where Y axis values would not show correctly when using a small gerotor set.	22/02/2012
2.0.17	Added Maximum and Minimum Chamber Volume to calculations	15/07/2012
2.0.18	Improved accuracy for Max and Min Chamber Volumes. Improved rotor profiling (especially with large lobe numbers)	18/08/2012
2.0.19	Added ability to change port radii (customer request)	01/08/2013
2.0.20	Corrected error with Inventor models (not displaying outer rotor correctly)	23/10/2013
2.0.21	Corrected error with Inventor models in inches units	01/12/2013
2.0.22	Offset of inner rotor error corrected	14/12/2013
2.0.23	Increased resolution for fillet radii of outer rotor (produced CAD model error in Catia V5)	11/06/2014
2.0.24	Corrected error where SolidWorks outer rotor model would not display if over 215mm diameter	20/02/2015
2.0.25	Corrected Volumetric Efficiency calculations when using port radii other than default values	03/04/2015
2.0.26	Corrected error with Flow & Pressure output text file	22/04/2015
2.0.27	Corrected error generating some Outer rotor models in Inventor	23/10/2015

## ***Software Revisions & Fixes***

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<b>Software Level</b>	<b>Details</b>	<b>Date</b>
2.0.28	New Feature! Export Performance Data direct to Microsoft Excel (including charts)	19/11/2015
2.0.29	New Feature! Allow manual changes to the root radius of the outer rotor (customer request). Small change to improve accuracy of tip clearance on manufactured parts.	19/02/2016
2.0.30	Improved accuracy of drive torque / power calculations.  Improved error trapping for port design function.  Corrected error with versions of Microsoft Excel 2013 onwards - multiple performance criteria now display correctly in one Excel worksheet.  Improved charting functionality within GDS - easier to move; charts can be closed once created	29/03/2016