



JRI news release

February 8th, 2002

To all concerned,

The Japan Research Institute, Limited
Kubota Solid Technology Corporation

Announcing the sales launch of the design support electromagnetic field analysis software, 'JMAG-Designer/SolidWorks Edition'

The Japan Research Institute, Limited (Head Office: Chiyoda-ku, Tokyo, President: Masahiko Koido) has developed electromagnetic field analysis software, 'JMAG-Designer/SolidWorks Edition', and Kubota Solid Technology Corporation (Head Office: Chiyoda-ku, Tokyo, President: Kenichi Nakao) will launch sales from April as the marketing agent.

JMAG-Designer/SolidWorks Edition is the first electromagnetic field analysis software that has been completely integrated into 3-dimensional CAD software, SolidWorks.

JMAG-Designer/SolidWorks Edition is a software plug-in that performs electromagnetic field analysis within SolidWorks for models of magnetic heads, transformers, actuators, motors etc. that are prepared in SolidWorks. The designer can now easily perform electromagnetic field analysis that was performed previously by specialized analysis software, and so a reduction in product evaluation man-hours and improvement in quality may be expected. The analysis function that will be supported at the time of release is 3D static magnetic field analysis.

1 . Background for sales launch

Electromagnetic field analysis has been used in the design and development of electric and electronic products to improve product performance and quality. However, most of it was carried out using specialized software making it very difficult for design engineers. JMAG-Designer/SolidWorks Edition was developed based on the electromagnetic field analysis software, JMAG, produced by The Japan Research Institute, Limited, as software that can be used as a design support tool with SolidWorks. Due to this, it may be expected that the number of cases where the designer himself applies electromagnetic field analysis will increase, resulting in an improvement in the efficiency of product design as well as quality.

Further, KUSCO, which has a extensive experience in marketing and support for SolidWorks, will be responsible for marketing and user support making it possible to offer a total solution.

2 . Product Features

- 1) It is possible to perform electromagnetic field analysis as a design support tool within SolidWorks.
- 2) Analysis is possible without specialized knowledge or experience of analysis.
- 3) It is based on the electromagnetic field analysis software, JMAG (produced by The Japan Research Institute, Limited), which has been in use for nearly 20 years, and is highly evaluated.

- 4) There is a large material database provided by the material manufacturers.
(Tendering material manufacturers)
Magnetic steel: NKK, Nippon Steel Corporation, Heganas Japan KK.
Magnet: SUMITOMO SPECIAL METALS CO., LTD., Hitachi Metals, Ltd., Shin-Etsu Chemical Co., Ltd., TDK Corporation
- 5) It is possible to obtain a higher level of analysis by using JMAG Studio(sold separately)

3 . Product Outline

[Product Name] JMAG-Designer/SolidWorks Edition

[Sales Launch] April 1st, 2002

[Price] from 1.75 million yen
(Standard suggested retail price, consumption tax extra)

[Sales Method] KUSCO will be the sales agent

<Reference>

1 . Outline of The Japan Research Institute, Limited

[Company Name] The Japan Research Institute, Limited
 [Representative] Masahiko Koido, President
 [Location] 16 Ichiban-cho, Chiyoda-ku, Tokyo
 [Establishment] February 20th, 1969
 [Capital] 3 billion yen
 [Number of Employees] 2,298
 [Business] Think tank, Consulting, System Integration

2 . Outline of Kubota Solid Technology Corporation (KUSCO)

[Company name] Kubota Solid Technology Corporation
 [Representative] Kenichi Nakao, President
 [Location] 14th Floor Hibiya Dai Building, 1-2-2 Uchisaiwaichi-cho,
Chiyoda-ku, Tokyo
 [Establishment] August 30th, 1989
 [Capital] 330 million yen
 [Number of Employees] 35
 [Business] Marketing, support and consulting for software and
systems for engineering field

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