#### **DYNA/MARC**

# DYNAMIC Model of an Aluminium Reduction Cell





## DYNA/MARC 14.0 Highlights list

- Comprehensive menu system structured around potroom operation concepts;
- Dynamic run with unlimited number of interactive graphics display;
- Interrupt, control parameter adjustment and resume capabilities during dynamic run;
- Restart capabilities at the end of a dynamic run;
- 4 new sub-models that compute anode and cathode drop, anode panel heat loss and cathode bottom heat loss;
- Cell noise submodel, instability control mode, and noise filtration;
- Amperage fluctuation submodel with current curtailment and voltage treatment control;
- Pechiney, Demand and In Situ feed control control mode;
- Lillebuen and Solli current efficiency submodels;
- AIF<sub>3</sub> dissolution submodel;
- Bath sampling/XRD and STARprobe<sup>TM</sup> bath ratio feedback control;
- Advance coupling options like CE proportional to noise etc;
- Impact of noise on CE computed even in steady state runs;
- Monte Carlo risk assessment statistical analysis;
- Completely integrated user and theoretical manual featuring all the theoretical equations of each process submodel;
- Context sensitive on-line help using the same above manual;
- Visual Basic 5.0 Graphic user interface;
- English, French, German and Dutch menus / panels / graphs / printouts;
- Digital Fortran 5.0 dynamic link library solver kernel;
- Hot line support directly from the code developer.

For more information, contact: Dr. Marc Dupuis P. Eng., GéniSim Inc.

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### DYNA/MARC 14.0 Price list

#### Option A:

- 1. Company wide unlimited number of users, unlimited number of sites permanent license of Dyna/Marc 14.0 executable with 3 months support: \$20,000 US
- 2. Annual support including hot line support (one contact person) and code release updates: \$2,000 US

#### Option B:

- Company wide unlimited number of users, unlimited number of sites permanent license of Dyna/Marc 14.0 solver source code and Dyna/Marc 14.0 graphic user interface (GUI) executable with 3 months support: \$30,000 US
- 2. Annual support including hot line support (one contact person) and code release updates: \$3,000 US

#### Option C:

- Company wide unlimited number of users, unlimited number of sites permanent license of Dyna/Marc 14.0 solver source code and Dyna/Marc 14.0 GUI source code with 3 months support: \$40,000 US
- 2. Annual support including hot line support (one contact person) and code release updates: \$4,000 US

#### • Option D:

- Company wide unlimited number of users, unlimited number of sites permanent license of Dyna/Marc 14.0 solver source code only (no GUI provided) with 3 months support: \$20,000 US
- 2. Annual support including hot line support (one contact person) and code release updates: \$2,000 US

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