

The Management Reporting System **MARS** is an independent program for the collection and reporting of production and chemical information for each heat, blend or cast produced.

When used in conjunction with ABS Software™ INV program, CHRIS program and the optimization programs MIX and TAP, the MARS program completely automates the tedious task of collecting this critical data. MARS data can be used to produce detailed melting reports as well as graphical representation of production and chemistry data.

The MARS program is typically accessed and used by the Management, Purchasing, Operations and Quality Control departments. Reports, graphs and spreadsheets can be designed to highlight the operational variables that relate to each manager's area of responsibility.

The standard MARS program is generally used to capture and report data for two major purposes:

Production Performance

The Production and Costing Report option provides five (5) standard reports. They include:

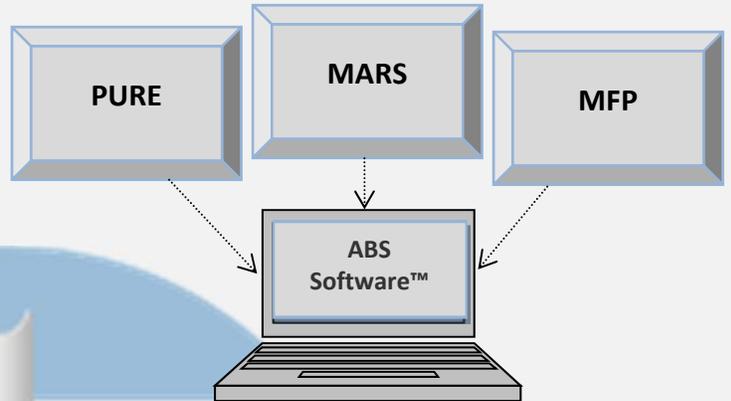
- **Detailed or Summary Consumption**
- **Detailed Log**
- **Total Average Consumption**
- **Elemental Consumption**
- **Cost Variance by grade code or grade family**

Many reports provide either detailed or summary variations.

Chemistry Control

The Chemistry Reporting option provides twelve (12) standard chemistry information reports. They include

P1	Heel Chemistry	Intermediate Aim
P2	Elemental Usage	Intermediate Recovery
Final	Total Recovery	Charge Aim
Final Aim	Final Recovery	Charge Recovery

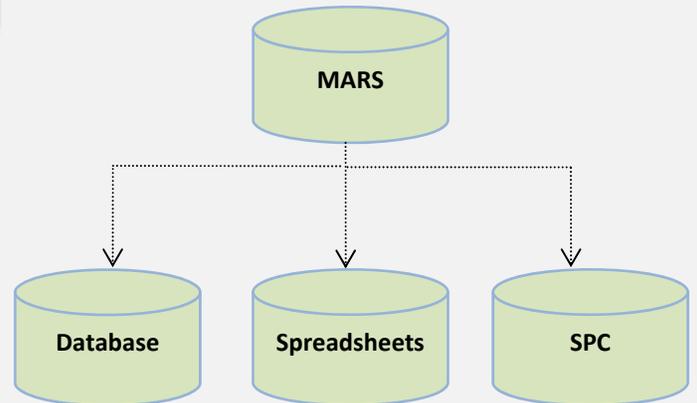


The standard MARS program also includes database utilities for deleting, auditing, exporting and importing log records, as well as viewing log status information.

One of the more frequently used features of the MARS program is the Export function. With the Export function data records can be easily selected and exported for use in spreadsheets, database systems and the SPC program.

TMS International Corporation can expand the standard MARS program or develop custom-designed reports for your unique melting and management reporting structure. Typical custom reports requested include the following:

- **Detailed Melt Logs**
- **Melt Variance**
- **Melt Shop Production**
- **Elapsed Time**
- **Ingots Cast**
- **Man-Hours per Ton**



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