

# ABS Software™ Summary



The **ABS Software™** is a fully integrated, linear programming software package that will optimize site specific melting economics. Your customized solution could include the following:

**Least Cost Charge Design  
Scrap Control**

**Least Cost Alloy Additions  
Purchase Evaluation  
Management Reporting**

**Inventory Control  
Month to Date Consumables  
Dynamic Formula Processor**

**Chemistry Routing  
Material Forecasting**

The **ABS Software™** modules may be licensed separately or as a complete package. Custom modifications, if needed and/or desired, are available. The **ABS Software™** is available in single or multi-user versions and operates on Intel compatible hardware platforms utilizing the Windows operating system. **TMS International Corporation** provides complete documentation and training on the **ABS Software™**. Free upgrades and support are provided for the first 60 days after installation. Several plans for on-going software maintenance and support are available.

## Available ABS Software™ Programs

<b>MIX Least Cost Charge Design</b>	<b>MIX</b> reduces metal mix costs by optimizing the use of raw materials. <b>MIX</b> ensures production of a more consistent final product and generally provides a higher quality control over the finished heat. <b>MIX</b> also helps reduce off-analysis heats caused by manual calculation errors.	<b>PURE Purchase Evaluation Program</b>	<b>PURE</b> is a complete decision support sub-system for raw materials purchasing. <b>PURE</b> is used to aid in reducing inventory by providing detailed material usage information, determining the break-even price for quoted materials and reacting intelligently to material shortages by calculating the effects before they occur.
<b>TAP Least Cost Alloy Additions</b>	<b>TAP</b> calculates the least costly combination of alloys required to meet your final chemistry working aims. <b>TAP</b> performs alloy addition calculations at computer speed, thus aiding in the reduction of tap time and unnecessary additions.	<b>MFP Material Forecasting Program</b>	<b>MFP</b> is also a decision support sub-system for raw material requirements planning. <b>MFP</b> utilizes linear programming techniques to determine the most economical materials to purchase in order to satisfy your melt schedule. <b>MFP</b> easily adjusts to schedule changes too.
<b>INV Inventory Control</b>	<b>INV</b> maintains a database of current raw material information. The <b>INV</b> program is used to process new material receipts, record material usage and provides many standard inventory reports. Also available is the Month-to-Date ( <b>MTD</b> ) program for organizing <b>MTD</b> and <b>YTD</b> inventory data which can be exported to other programs.	<b>MARS Management Reporting System</b>	<b>MARS</b> is used to prepare historical consumption and chemistry reports. <b>MARS</b> is also used to select and export consumption and chemistry data for external use in spreadsheets, database systems and SPC analysis.
<b>DFP Dynamic Formula Processor</b>	<b>DFP</b> is a very powerful add-on product for users of the <b>ABS Software™</b> . With <b>DFP</b> you can optimize virtually any linear formula or elemental relationship. Whether you use <b>DFP</b> to control the total residuals going into the charge or to control for a specific chemical relationship, least cost optimization techniques will automatically be utilized.	<b>SCS Scrap Control System</b>	<b>SCS</b> expedites the processing of newly purchased scraps and recycled material by linking actual chemical test results ( <i>from your spectrometer</i> ) with the material receiving information. With <b>SCS</b> , you essentially operate a hands-free chemistry collection and distribution system.
<b>CHRIS Chemistry Routing System</b>	<b>CHRIS</b> is an interface product that automates the collection and dissemination of analytical test results from your spectrometer to the various <b>ABS Software™</b> databases. Interfaces for most major spectrometers are available. Custom interfaces can also be provided.		

For pricing information  
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