The Dynamic Formula Processor **(DFP)** is an extremely powerful add-on product for users of the ABS Software™. With the DFP program, you can optimize virtually any linear formula of elemental relationship. Whether you use the DFP program 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.

The DFP program provides you with a new dimension in optimizing raw materials and controlling physical chemistry relationships.

The DFP program allows you to:

➢ Widen the working aims for your natural elements, including:

> ➢ *Cr*
> ➢ *Ni*
> ➢ *Mo*

➢ Simultaneously, DFP allows you to impose tighter controls on some of the more important elemental relationships such as:

> ➢ *Fe + Si*
> ➢ *Al + Ti*
> ➢ *Chrome Equivalence*
> ➢ *Nickel Equivalence*
> ➢ *Carbon Equivalence*
> ➢ *Total Sludge*

➢ Reduce your current alloy additions cost, often by hundreds of dollars per charge, over traditional computational methods.

➢ Maintain complete control and privacy of your formulas and easily modify them if they differ from industry standards.

➢ Quickly and cost-effectively adjust to your customers' requirements for new or additional chemistry relationships.

CHRIS   DFP   SCS
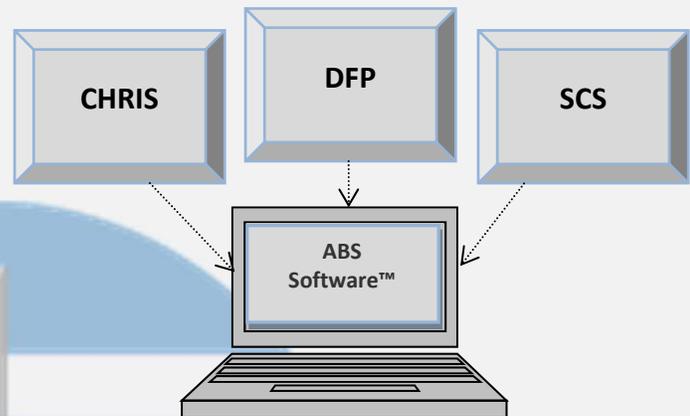
ABS Software™

The DFP program is fully integrated with all of the existing ABS Software™ modules. Optimization of elemental relationships is automatically performed when designing charges, calculating least cost alloy additions, computing material requirements and even performing purchase evaluations.

If your shop operates with a heel (hot metal left in the furnace or melter), the MIX program will automatically calculate the complex elemental contribution the heel will provide.

If you are using the TAP program, the preliminary chemistry's complex elemental contribution will also be automatically calculated.

The DFP program is extremely easy to implement and use and there are four versions of the DFP program available.

These four versions allow you to establish as many as 5, 10, 15 or 20 dynamic formulas. Each formula can have a maximum of 10 sets of mathematical expressions.

If your customers are requiring you to meet tighter and more complex chemistry specifications, DFP can help.