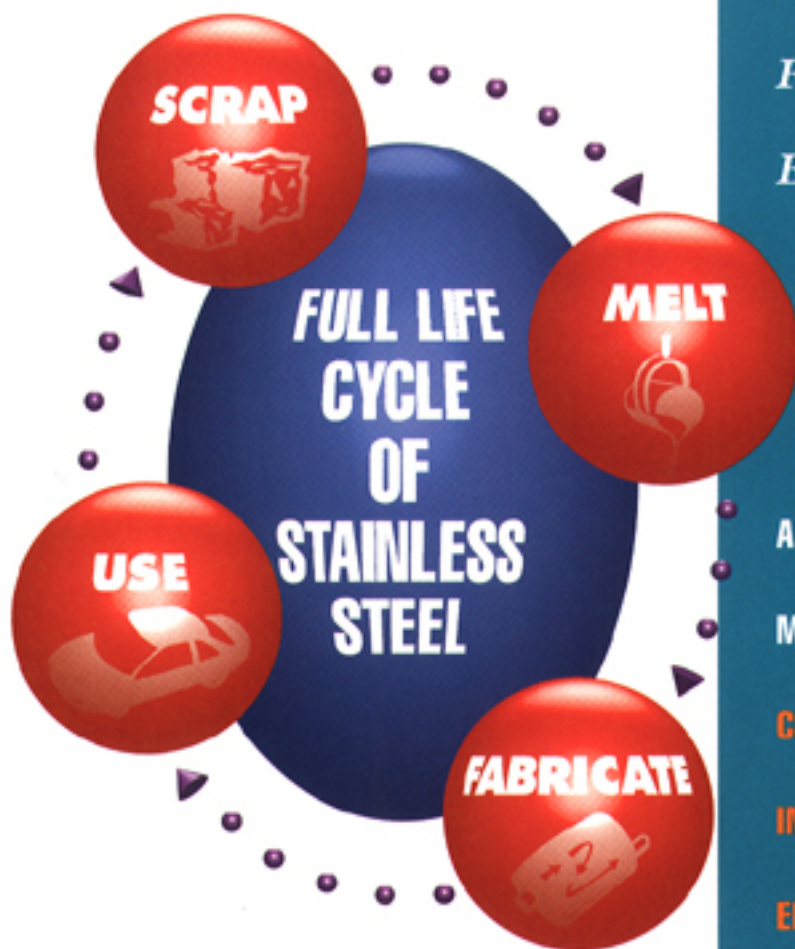


STAINLESS

Steel



*The Right
Material
For Our
Environment*

A Complete Life Cycle
Material for the
CONSUMER, for
INDUSTRY and for the
ENVIRONMENT



**SPECIALTY STEEL INDUSTRY
OF NORTH AMERICA**

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QUALITY of Life

To ensure a high quality of life, the materials that we use as consumers and manufacturers should meet not only technical performance standards, but have a Long Service Life, be Useable in a Great Number of Applications, and be Environmentally Friendly. Once their service is complete, they should be 100% Recyclable, thereby completing the life cycle to be used once again. Stainless Steel is such a material.



DESIRABLE CHARACTERISTICS:

Stainless steel has natural **corrosion resistance** "built-in" not added-on. It is **strong**, almost twice that of mild steel. Its properties make it the ideal choice for **hygiene** since it cleans thoroughly and easily. Stainless is **heat and cold resistant** maintaining its strength at both high and low temperatures. It is **easily fabricated** into many different products and has an **aesthetic appeal** that can be enhanced by various surface treatments such as texturing, brushing, and polishing.

High

USEABILITY



STAINLESS STEEL has applications in many different markets, some very well known and some perhaps not as well known:

IN THE HOME — applications range from cookware, cutlery and sinks to appliance trim and fireplace liners; **IN INDUSTRY** — from food preparation and chemical process equipment, and building roofs and entrance ways, to medical instruments and implants, and computer diskettes.

Not only is stainless steel **HELPING CONSUMERS** attain quality of life in the things we use, but it is also helping to control pollution in their production and use. It is the key material in catalytic converters for car and truck exhaust systems, it is used as a filter to scrub exhaust gases from the stacks in the utility industry and it is found extensively in water treatment and water management systems, to name a few pollution control applications, and in noise abatement equipment.

FRIENDLY

to the Environment



Painting

The longevity of stainless is the result of the alloying composition and, therefore, it has a natural corrosion resistance. Nothing is applied to the surface that could add additional material to the environment. It does not need additional systems to protect the base metal, the metal itself will last.

Stainless steel needs less maintenance and its hygienic qualities means that we do not have to use harsh cleaners to get a clean surface. There is little or nothing to dump into the drain that could have an environmental impact.

Stainless steel products complete their service life. There is less concern about disposal since this material is 100% recyclable. In fact, over 50% of new stainless steel comes from old remelted stainless steel scrap, thereby completing the full life cycle.



Rust

FOR MORE INFORMATION ON STAINLESS STEEL

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Solvents

