



Surface Improvement



RÜBIG
www.rubig.com

PROFITABLE REDESIGN
OF YOUR HEAT TREATMENT



SIR - FUTURE TECHNOLOGY - Shortening production chains

Since more than 60 years we attach importance to the perfect surface and react on trends immediately.

Our heat treatment solutions guarantee highest possible quality at lowest costs.

Requirements for modern material and components are rising constantly - smaller, lighter, faster, more efficient, and cheaper. Therefore, heat treatment is a key technology which allows to fulfil these demands.



SIR SAVES MONEY!

Reduction of hard machining, production integration, partial nitriding, process combination, increase of lifetime.

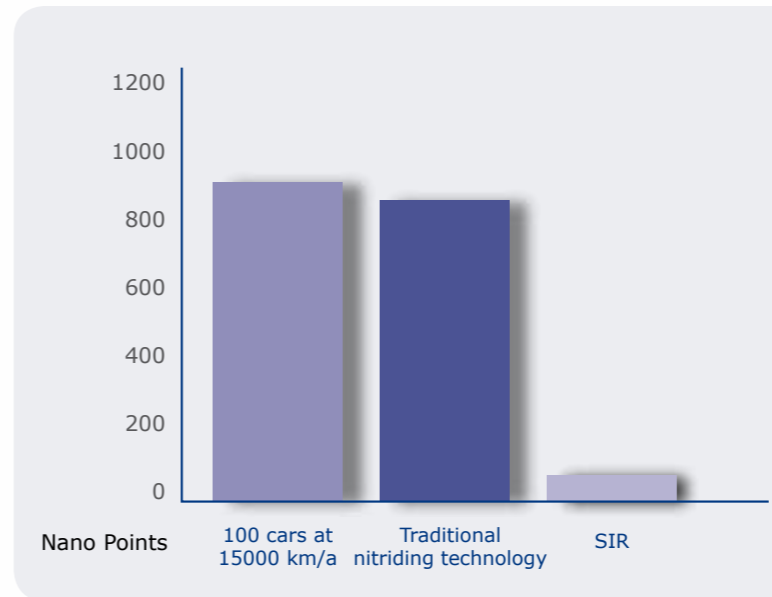
SIR PROTECTS ENVIRONMENT!

Lowest emissions, minimal gas consumption, increase of lifetime

Improve your environmental performance according to ISO 14.001 with SIR!



Source: Comp. Umwelt- und Energiebilanzierung von Nitrierprozessen, AWT, Fachausschussitzung 15.1.1.2009



Comparison of environmental impact according ECO-indicator 95

Scheme comparing traditional technologies with cars and SIR.

The ECO-indicator is a method of assessment, where a product's life cycle is evaluated regarding its emissions. In this way, environmental damage can be detected.



Elimination of Hard Machining | Production Integration | Partial Nitriding | Process Combination

Lowest Emissions | Minimal Gas Consumption
Low Energy Consumption | Governmental Acceptance

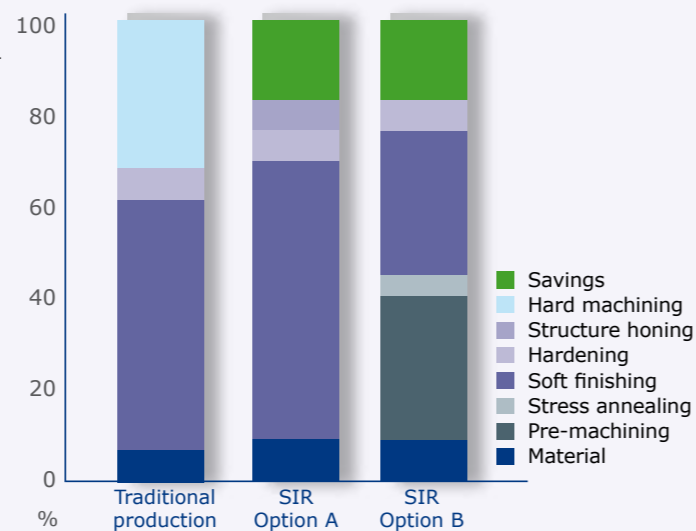


Cost savings only by substitution of traditional heat treatment methods

Our business is to develop environmentally friendly systems and processes to optimally improve the performance of tools and components.

We extend the lifetime of your components!

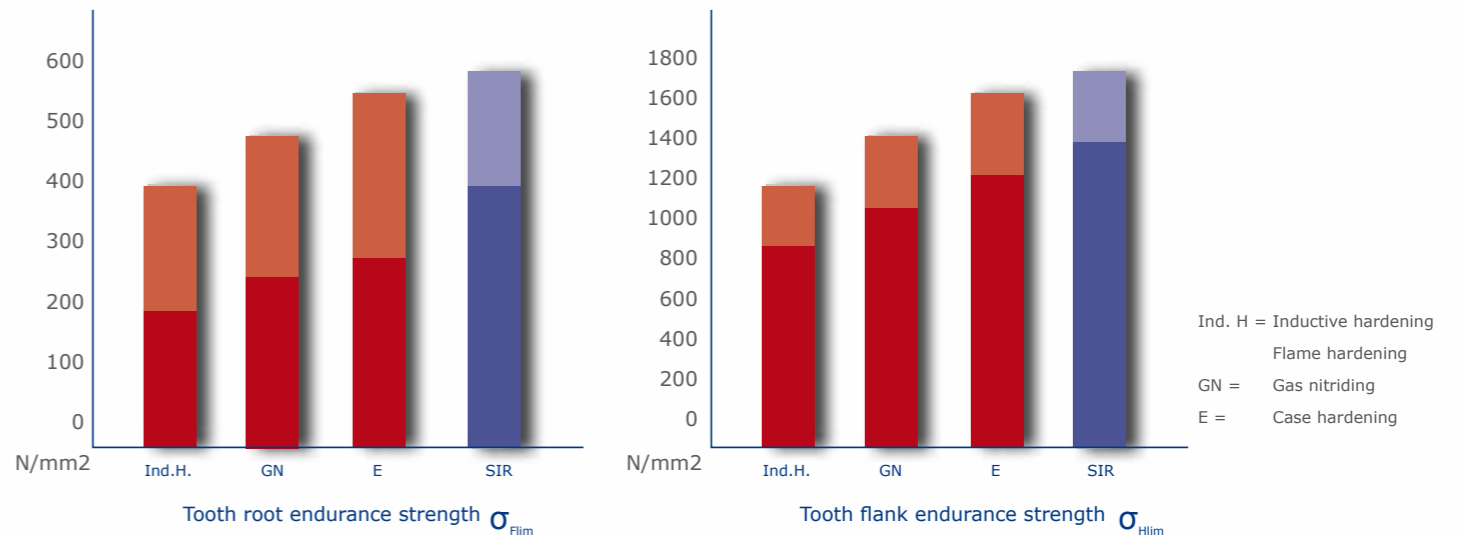
About 20 percent savings by elimination of hard machining



Source: analysis executed by Rubig Material Engineering & FH Wels

Highest endurance strength values compared to traditional heat treatment techniques reg. ISO 6336-5: 2003

Source SIR-bar: Analysis at the FZG-Institut of the Technical University Munic, 2007



Source of the first three bars: DIN 3990-5





ENGINEERING

HEAT TREATMENT

DIE FORGE

ALUMINUM

TOOL CONSTRUCTION

MATERIAL ENGINEERING

MECHANICAL MACHINING

RÜBIG
www.rubig.com

We are Synergy!

RÜBIG GmbH & Co KG | A-4600 Wels | Schafwiesenstraße 56 | Tel. +43-7242-66060

E-Mail: ht.office@rubig.com or at.office@rubig.com | www.rubig.com