We've got your fix!

We provide tailored solutions to increase the performance of your equipment

Effect of wear

Decreased service life of the wear components

Impact of hardfacing on key components (e.g. Mills and Shredders)

Period 1:
Time taken to reach the optimum grinding phase.

Period 2:
Period of greatest efficiency, optimum conditions. The longer the process operates under these optimum conditions, the lower the operating cost per ton.

Period 3:
Period of excessive wear, increased cost per ton to produce.

Increasing the duration of Period 2 is achieved by applying the right hardfacing solution to the respective key components.

Impact of 'Arcing' on mill extraction

Preparation of the grinding roll in order to extend service life

Example: On days 5 and 16, arcing is applied

Results: 30% decrease of brix by applying special 'arcing'

MAX EXTRACT PLUS provides at least 50-60% more service life, when compared to all standard arcing solutions, and extraction rates up to 97-98%.

WA Applications for Sugar Cane

Our Technical ‘Spark’ Solves Your Industrial Challenges

WA Consumables

The go-to provider of advanced welding consumables

Suitable
Highly Suitable

WA Machine

The go-to provider of automated equipment for wear protection

SMK NG – Sugar Mill H3 New Generation

• Easy to operate
• Tool-less onsite assembly
• Increased efficiency through independent twin wire system
• Roll rebuild – during service (with/without sugar cane bypass)

TOPCASE 425-4 – Stretch your productivity

• Semi-automatic welding process
• All-terrain wire feeder: Outdoor and indoor
• Less stop and start - High productivity
• Optimized operability & less defects
• Easy to use

Existing MMA power source
We’ve got your fix!
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WA Applications for Sugar Cane

A worldwide presence

www.welding-alloys.com
We’ve got your fix! We provide tailored solutions to increase the performance of your equipment.

**Effect of wear** – Decreased service life of the wear components

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**Impact of ‘Arcing’ on mill extraction**

- Preparation of the grinding roll in order to extend service life

**Example:** On days 5 and 16, arcing is applied
- Results: 30% decrease of brix by applying special ‘arcing’ solutions

**MAX EXTRACT PLUS** provides at least 50-60% more service life, when compared to all standard arcing solutions, and extraction rates up to 97-98%

**TOPCASE 425-4** – Stretch your productivity
- Semi-automatic welding process
- All-terrain wire feeder: Outdoor and indoor
- Less stop and start - High productivity
- Optimized operability & less defects
- Easy to use

Using existing MMA power source, TOPCASE can be fitted with TOPTORCH 300-4E Special sugar Torch 1500 mm.

**April 2018**
A Welding Alloys solution for every step of the process.
We’ve got your fix!

We provide tailored solutions to increase the performance of your equipment.

- Effect of wear – Decreased service life of the wear components
- Impact of hardfacing on key components (e.g. Mills and Shredders)

Period 1: time taken to reach the optimum grinding phase.
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Impact of ‘Arcing’ on mill extraction
- Preparation of the grinding roll in order to extend service life
- Example: On days 5 and 16, arcing is applied
- Results: 30% decrease of brix by applying special ‘arcing’

WA Consumables
The go-to provider of advanced welding consumables

Suitable
Highly Suitable

MAX EXTRACT
O: Open arc
TE: Tubular electrodes

MAX EXTRACT PLUS

HARDFACE BUF
O Build-Up
HARDFACE UCW
O Buffer layer / Rebuilding

MAX EXTRACT PLUS provides at least 50-60% more service life when compared to all standard arcing solutions, and extraction rates up to 97-98%.

MAX EXTRACT PLUS offers a high hardness of 61 HRC, suitable for wear resistance applications.

MAX EXTRACT PLUS PLUS provides a high hardness of 63 HRC, suitable for severe service life applications.

TOPCASE 425-4
Semi-automatic welding process
All-terrain wire feeder: Outdoor and indoor
Less stop and start - High productivity
Optimized operability & less defects
Easy to use
Existing MMA power source

TOPCASE 425-4 Stretch your productivity
- Semi-automatic welding process
- All-terrain wire feeder
- Less stop and start - High productivity
- Optimized operability & less defects
- Easy to use
- Existing MMA power source

TOPCASE 425-4 is a special sugar Torch, designed specifically for the sugar industry.

April 2018