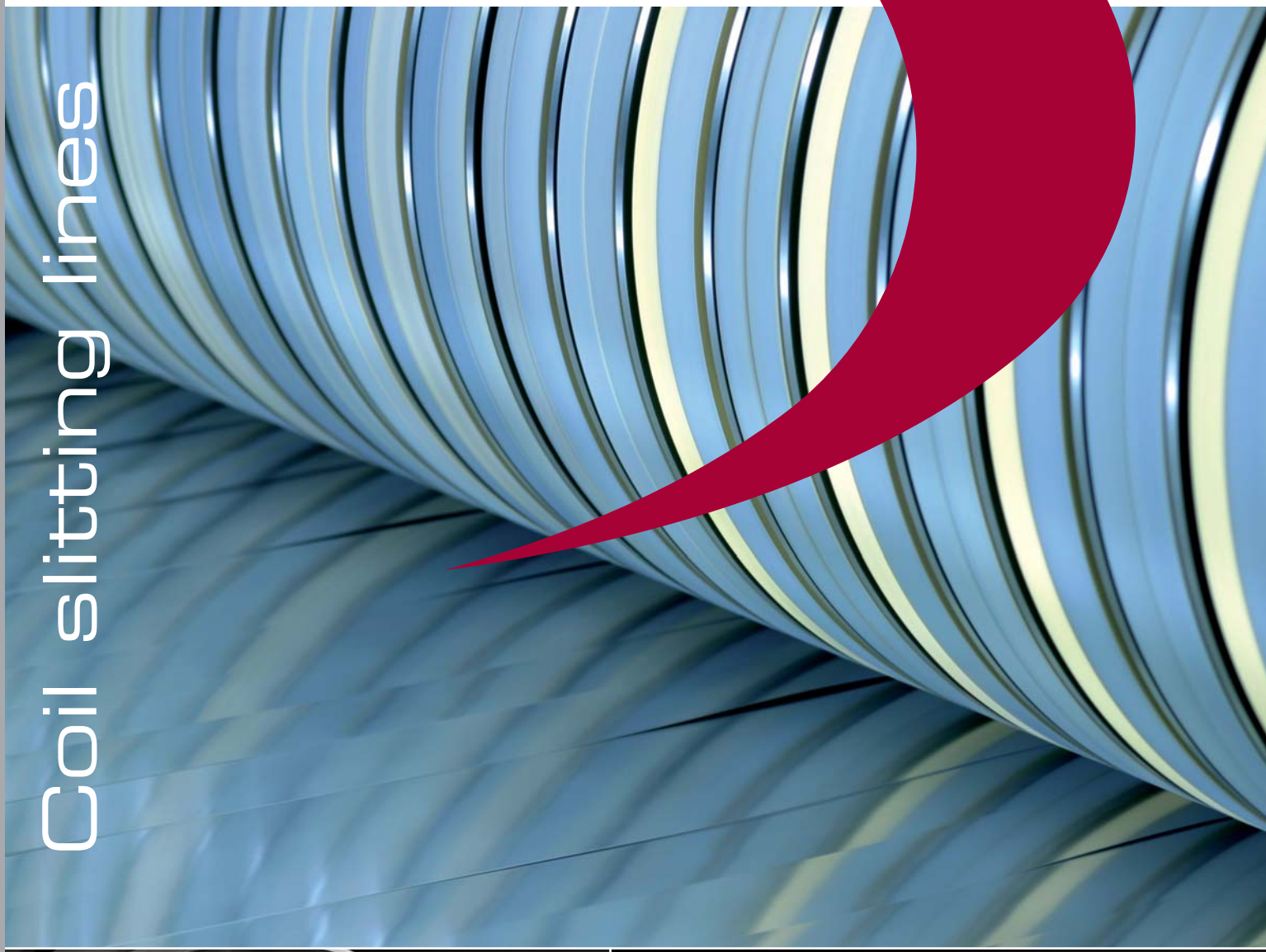
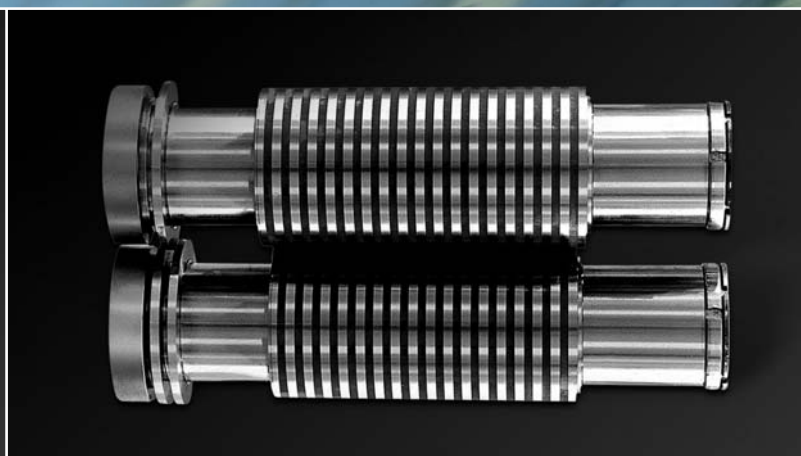
ANGELO ROMANI

Steel Industry

Coil slitting lines





Coil slitting lines

Coil Slitting Lines can vary from rough hot rolled slitters to dedicated narrow tight tolerance foil slitting lines.
All various applications requires particular demands with respect to the geometric and surface finish of the tooling, the mechanical properties of all tools, the possibility of robot handling, the condition of the slitting line, various operational circumstances.
Angelo Romani Rotary Tooling for Coil Slitting Lines are manufactured in a modern, efficient production facility, using industries highest standard of equipment, operated by dedicated experienced staff.
The materials used for these knives varies from standard Tool Steel, to High Alloy Tool Steel, Tungsten Carbide , High Speed Steel, and Powder Metallurgy Steel.

Slitter tooling

Slitter Knives	From standard high precision knives to lapped and polished with super finish, double slitting edge or single slitting edge knives.
Side Trimming knives	Double trimming edge, or single trimming edge knives.
Slitting Arbor Spacers	Standard weight design, light weight design, tool steel, stainless steel.
Stripper Rings	Bonded, or loose rings in rubber or various plastic types, dimensional differentiation of outside diameters is calculated in order to provide proper support and traction, whilst eliminating marking of the strips.
Gauge Rings	In calculated numerous gauges to allow strip width increments as per customer requirement, manufactured out crack resistant tool steel, or stainless steel.
Separator Discs	In various materials and shapes, based upon slitting arbor configuration.
Separator Arbor Spacers	In various materials, based upon slitting arbor configuration.
Locking Nuts	Mechanical Nuts; Hydraulic Nuts; Closed Loop; Grease, or Oil, Standard Part or Custom Manufactured.

Set up software

In order to achieve consistent, reproductive strip widths, and edge qualities, Angelo Romani has developed a software program that by means of arithmetic formulas calculates the required tooling, and provides the work instruction for loading the arbor. If the arbors are loaded in accordance with the instruction, the optimum slitting clearances are incorporated between the knives.
The program also incorporates operational conditions such as tensile strength, thickness of the coil, and required strip quality after slitting.
The optimum clearance assures optimum cutting condition and minimum wear of knives.

Commissioning Support

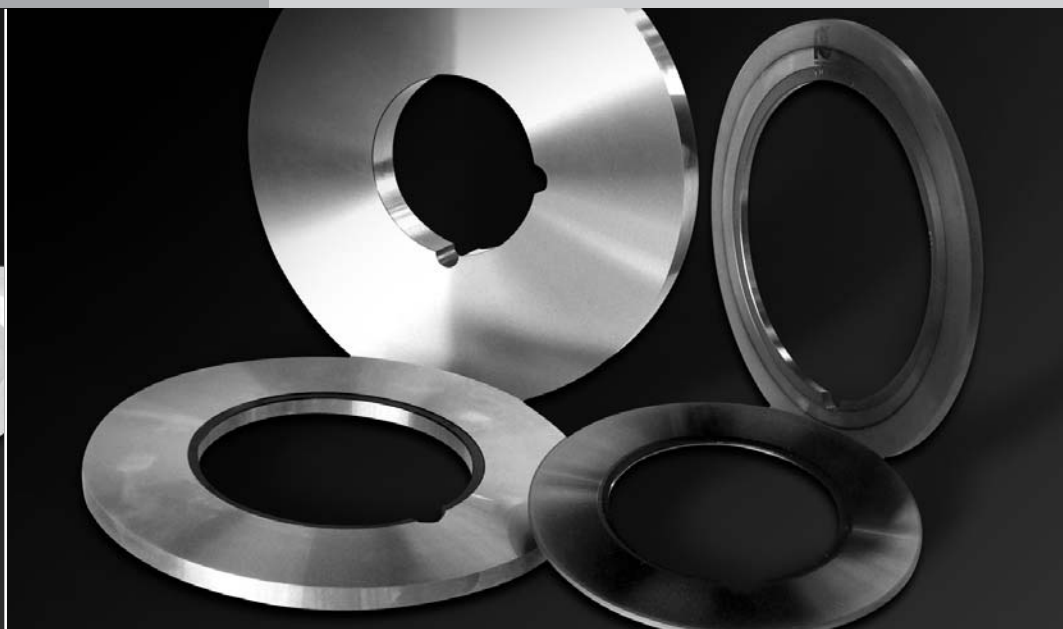
Since there are so many factors important in operating a slitting line with a new Angelo Romani toolset along with Set UP Software, Angelo Romani provides the following services as an inherent part of the complete tool set.

Slitting line inspection
Prior to submitting a technical proposal for your slitting line, Angelo Romani engineers want to fully understand the condition of your equipment, in order to incorporate specifics in the proposal and not offer something that does not meet expectations.

On site tool handling training
Working with high precision quality tooling may require a complete different approach of the working procedures and handling of the tooling. For that reason Angelo Romani provides on site training, including re conditioning instructions, storing and cleaning instructions.

On site software training
Operating a Set Up Software supported slitting line requires understanding of the program. Angelo Romani provides a training of operators in using the Set Up Software.

First coil slit observation
Working with high precision, Angelo Romani tool set allows optimized slit results. Angelo Romani engineers will observe first slitting and assist in fine tuning if necessary.



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