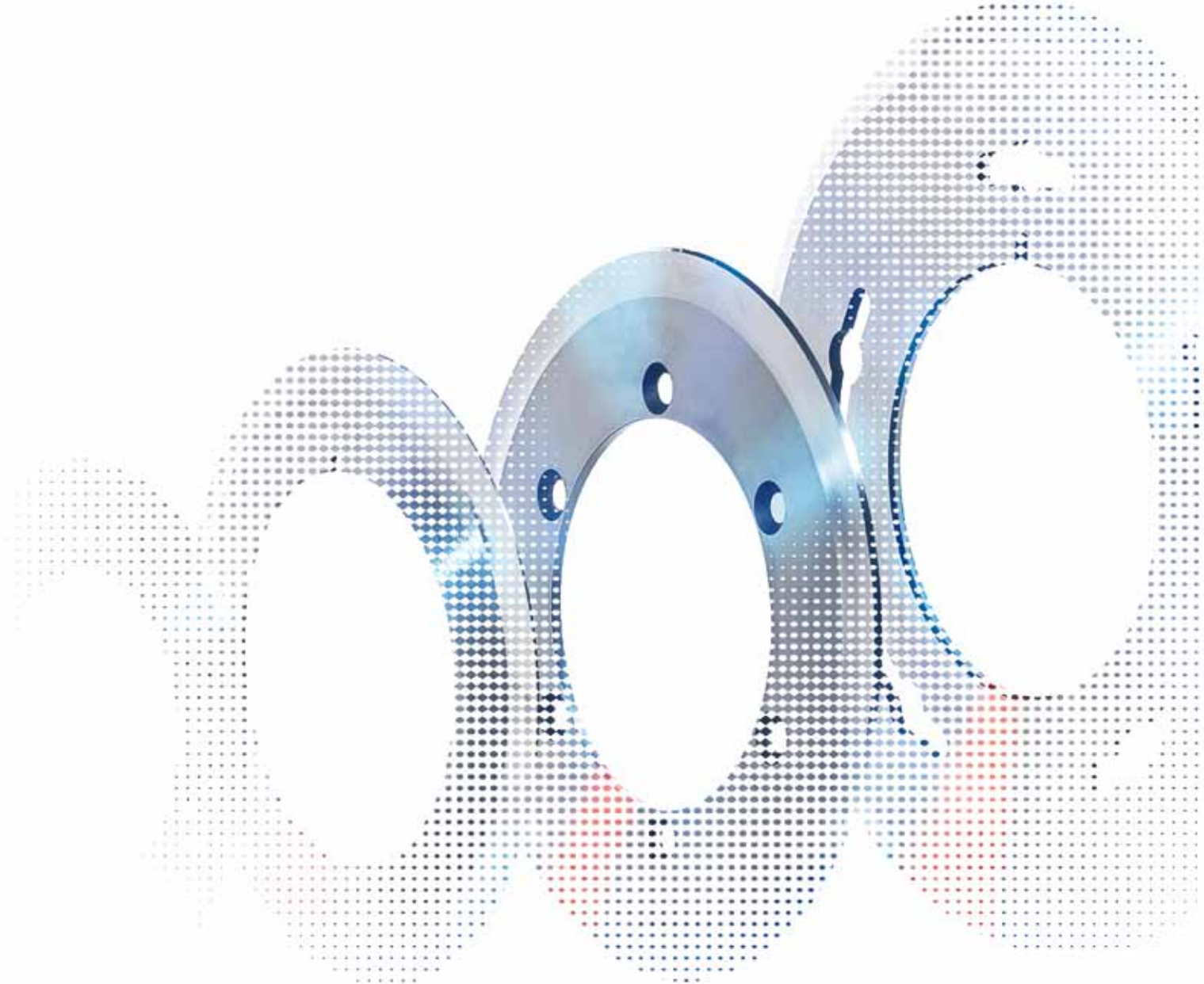


INNOVATION.
SLITTING TECH
AND VALVES.
PRECISION.



APPLYING. ALL ROUND VIEW.



PERFECT CIRCULAR KNIVES.



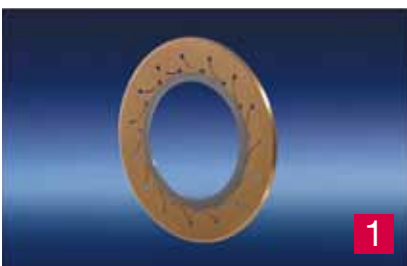
Whether from steel, powder metallurgical steel (DPM), tungsten carbide, special materials or finished – our circular knives always stand for perfection.

We manufacture highly effective products in up to 40 processes using state-of-the-art technology, which impress with accurate and clean cutting edge during long-term use. Furthermore, our comprehensive quality control before delivery ensures that the cutting tool's performance is not affected in any way by tolerance variations.

DIENES circular knives are available for different applications up to a diameter of 500 mm. Our large and continuously fully opti-

mised standard range comprises numerous top and bottom knives for shear cut, crush cut, burst cut and razor blade cut procedures, respective high-quality multiple knife blocks for carrier and expanding air shafts as well as rotary shear knives. Collars, cutting rings and spacers as well as glass hard shafts and rings are also produced by us with highest precision.

Furthermore, we are the leading expert for special solutions: Together with our customers, we



1



2



3

VERSATILE APPLICATIONS.

develop specific knife and cutting solutions worldwide, which they apply in a future-oriented and targeted way. DIENES circular knives meet highest demands and ensure a maximum service life, optimum cutting edge quality and minimum dust production.

Whether for the rubber, paper, printing, non-woven and textile industry, film, label and adhesive tape production, non-ferrous metal and aluminium processing or mechanical engineering, our circular knives impress with their precision and durability.

New acuteness & precision:

The regrinding service for circular, straight and rotary shear knives at certified manufacturer quality.

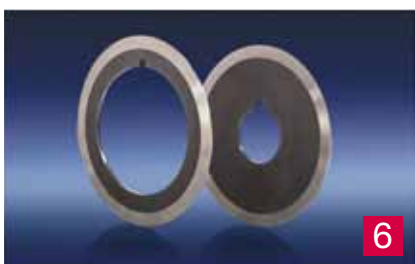
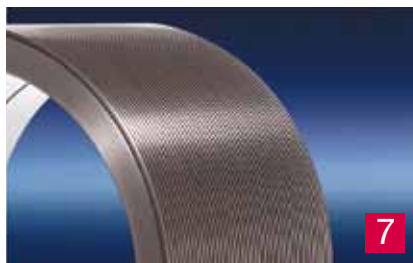
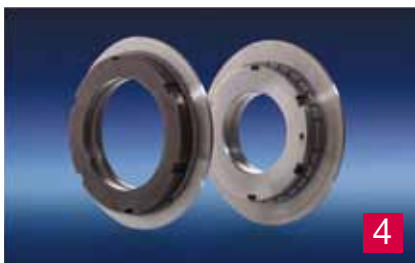
service line +49 2206 605-506

www.messerservice.de

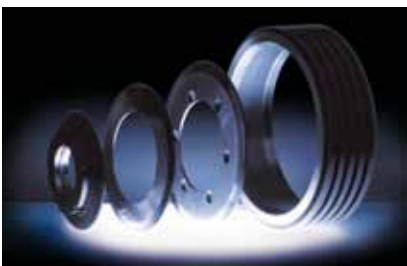
Shear cut: **1** Narrow cut top knives (self resilient), Type "Golden Slit" (patented) **2** Dished and top knives **3** Bottom knives, multiple knife blocks and cutting rings **4** Collars **5** Divided bottom knives |

Razor blade and burst cut: **6** Circular knives and core cutters **7** Razor blade knife blocks |

Crush cut: **8** Glas hard shafts and rings **9** Crush cut, profile and perforating knives



DISCOVER. ACUTENESS.



Thanks to our long-standing experience, in the past 100 years we have developed a unique sense of acuteness, from which our discerning customers benefit worldwide every day. Our comprehensive product range of industrial knives, knife holders and slitting systems has been well thought out down to the smallest detail and with great insight, and impresses with absolute precision as well as long-lasting quality and innovative technology.



| slitting systems

manual, semi-automatic and automatic systems

| service

from close customer support and regrinding service up to the slitting laboratory

You can also take advantage of our acuteness to ensure efficiency of your production. We will be happy to help.

| circular knives

top knives, bottom knives, rotary shear knives and accessories

| straight knives

paper cutting knives, shear knives and guide bars

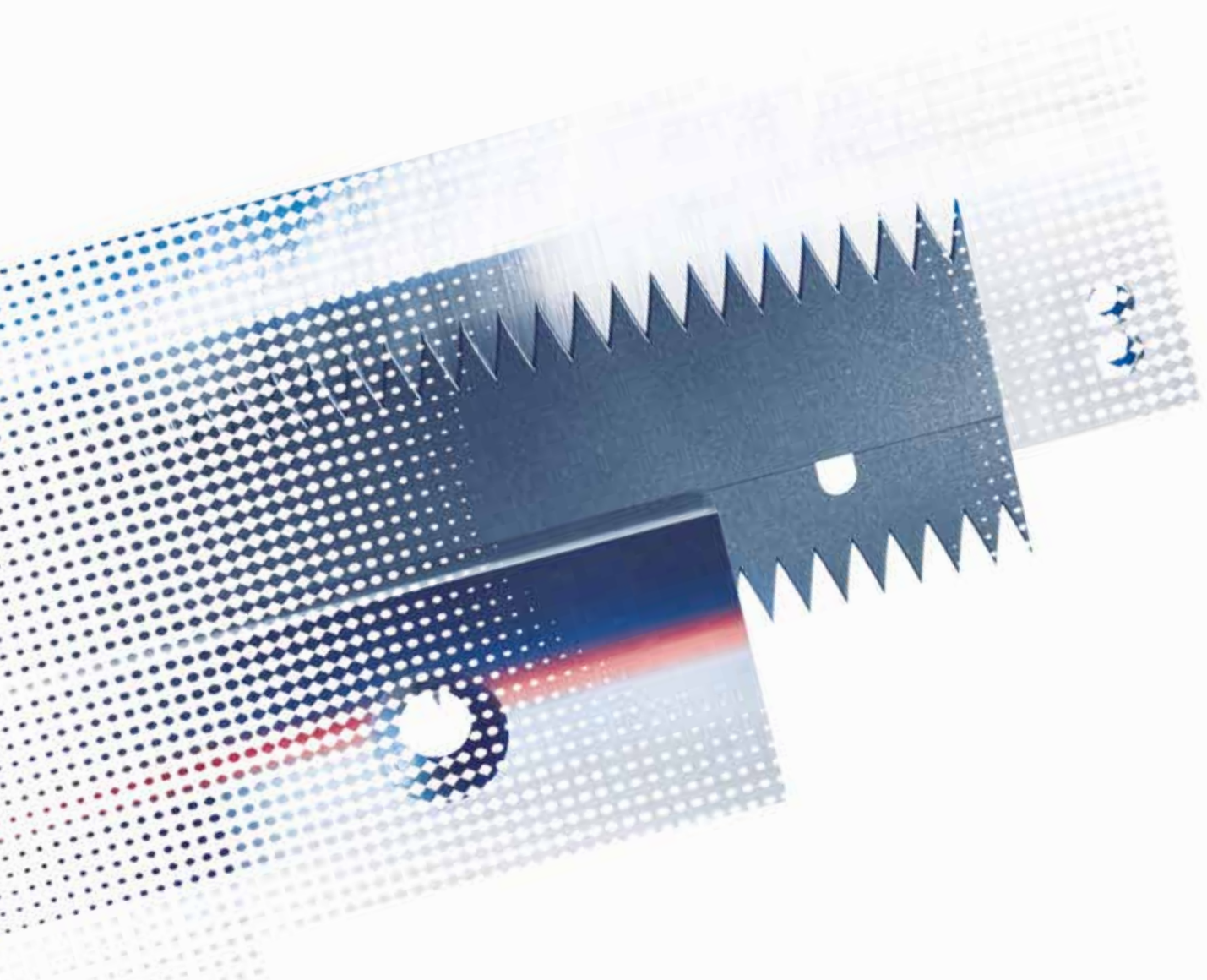
| knife holders

heat cut holders, crush cut, razor blade cut or shear cut knife holders

INNOVATION.
SLITTING TECH
AND VALVES.
PRECISION.



OPTIMIZING. SERVICE LIFE.



HIGH-PRECISION STRAIGHT KNIVES.

DIENES straight knives are the result of many years of experience in the optimising of slitting processes for different types of materials.

Our products made of high-performance materials are aligned perfectly to the materials of our customers and are used primarily

- in the paper manufacturing and processing industry,
- in metal and steel processing,
- in the nonwoven industry,
- in the plastics industry and
- in machine building.

The expertly developed DIENES portfolio comprises a wide range of products adapted to meet the demands of our worldwide clientele. These include for all standard slitting machines the right paper knives – e. g. guillotine knives, three-knife trimmers, trimming knives, sheeter knives and roll cutters, plus the corresponding cutting bars for an

optimum service life –, foil knives, recycling knives, shear knives, scrap choppers and edge tools for the metal industry, profile shears, serrated knives also for perforations and granulators and shredders for cutting mills. In addition, we also develop and produce customer-specific knives and specially requested solutions for machine building.



SELECTED QUALITY.

Where our straight knives are concerned DIENES customers can rely on the lowest production tolerances in the μm -range. Polished cutting edges also ensure an efficient reduction of both dust and operating noise level as well as contributing to an increase in service life. Close production monitoring, detailed control reports and continuous further development ensure the

top quality of DIENES products also in the straight knife range. In addition we also offer you and your employees professional consultations, instruction in material science, our own in-house slitting laboratory for slitting trials and an extensive technical service as well as slitting seminars.

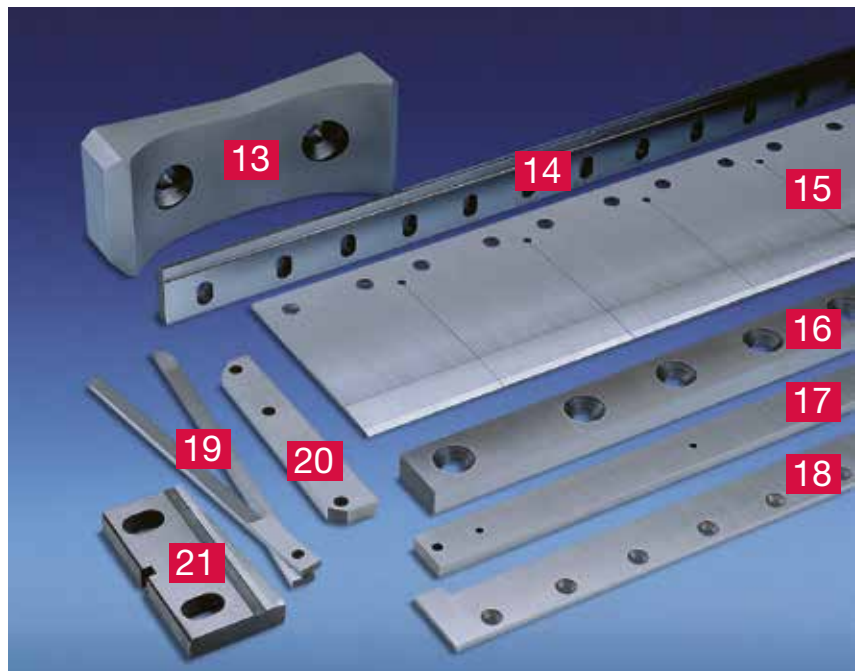
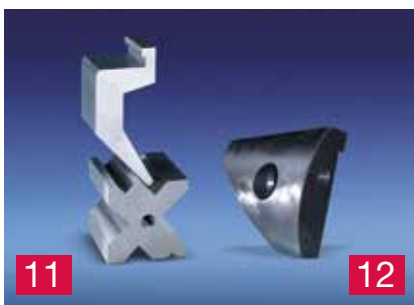
New acuteness & precision:

The regrinding service for circular, straight and rotary shear knives at certified manufacturer quality.

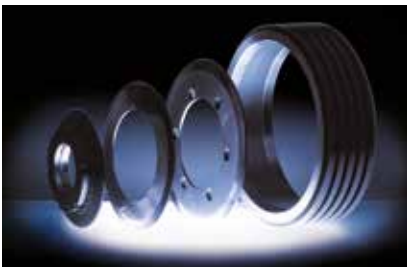
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- 1 guillotine knives 2 three-knife trimmers 3 trimming knives 4 cutting sticks 5 cross cutters
6 v-guidances 7 wear plates 8 shear knives 9 shear knives 10 granulators/shredders 11 edge tools
12 scrap choppers 13 profile shears 14 cross cutters 15 high precision straight tools 16 shear knives
17 cross cutters 18 cross cutters 19 shear knives 20 shear knives 21 scrap choppers



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| knife holders

heat cut holders, crush cut, razor blade cut or shear cut knife holders

EZ KNIFE PULLER

TOTAL CONTROL.



EZ Knife Puller: Patent Applied

While removal and replacement of knife blades are necessary, the method to do so has been in long need of a better way. DIENES EZ Knife Puller provides protection and control of the knife blade while preventing damage during removal.

HOW?

With full operator control, the DIENES EZ Knife Puller securely surrounds the knife blade and prevents blade tip damage along with worry free knife blade removal and replacement.



BENEFITS

- | Quicker knife changes.
- | Reduces operator risk while replacing and removing the knife blades.
- | Easy to use & no need for operator to physically touch the knives.
- | Prevent blade tip damage while removing the knife blades.

FOR FURTHER INFORMATION CALL +49 2206 605-0 OR SEND OUR SLITTING EXPERTS AN EMAIL VIA SALES@DIENES.DE