

INNOVATION.  
SLITTING TECH  
AND VALVES.  
PRECISION.



# PRODUCING. NARROW CUTS.

DIENES DS 4 KNIFE HOLDER

**NEW**

MAXIMUM STABILITY, CUTTING WIDTH FROM  
19 MM, INTUITIVE OPERATION, COMPACT  
DESIGN, EASY TO RETROFIT AND MUCH MORE



# SETTING STANDARDS.

DIENES is setting new standards for narrow cutting widths with the DS 4 knife holder. The knife holder is intuitive to operate and impresses with its low-vibration design and exceptional stability – even for cutting widths from 19 mm and speeds of up to 1,200 m/min.



Unrivaled stability: the DIENES honeycomb structure

As the global leader in industrial slitting technology, we drew on our many years of experience and expertise accumulated in the manufacture of over 500,000 knife holders when designing the new DIENES DS 4. Despite its **compact dimensions, the DS 4 offers a level of stability that is unmatched.** This is due to the unique DIENES honeycomb structure, which allows a design that reduces vibration in the holder housing. The result: **extremely durable and outstandingly accurate,** even when **cutting narrow widths from 22 mm and, in the nested model, from 19 mm too.**

Whether slitting paper, foil, non-woven or non-ferrous metal foil – the DS 4 quick-change head is versatile and convenient to use for both feed directions and the widest range of cutting jobs. **Razor-blade and crush-cut knife heads** can also be used as an option.

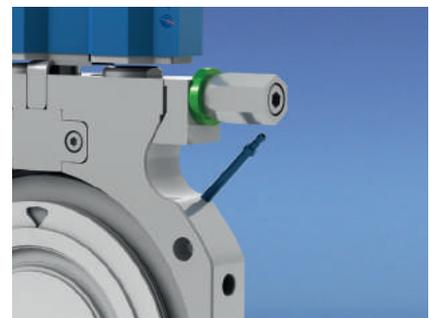
A further advantage: the unique **cutting pressure adjustment** ensures balanced distribution of force and guarantees an even cut. The DS 4 also raises the bar with the **superior ball bearing guide elements,** ensuring low friction coefficients thanks to the tightest tolerances. In addition, the knife holder has a patented adjusting slide that enables the holder position to be reproduced exactly. The shear angle can be adjusted using a plate on the retainer. The DS 4 knife head has a 360° hand guard and can be detached and replaced, thus saving time and making it easy to service.



Slitting widths from 19 mm with the nested model

The DS 4 proves itself to be very easy to operate in entirely manual operation. In particular, the fact that it can be **operated from both sides** makes it very versatile in everyday use. What is more, the knife holder's compact design results in excellent compatibility and means it can be retrofitted without difficulty in nearly all slitting systems: it is thus also eminently suitable for modernising existing systems.

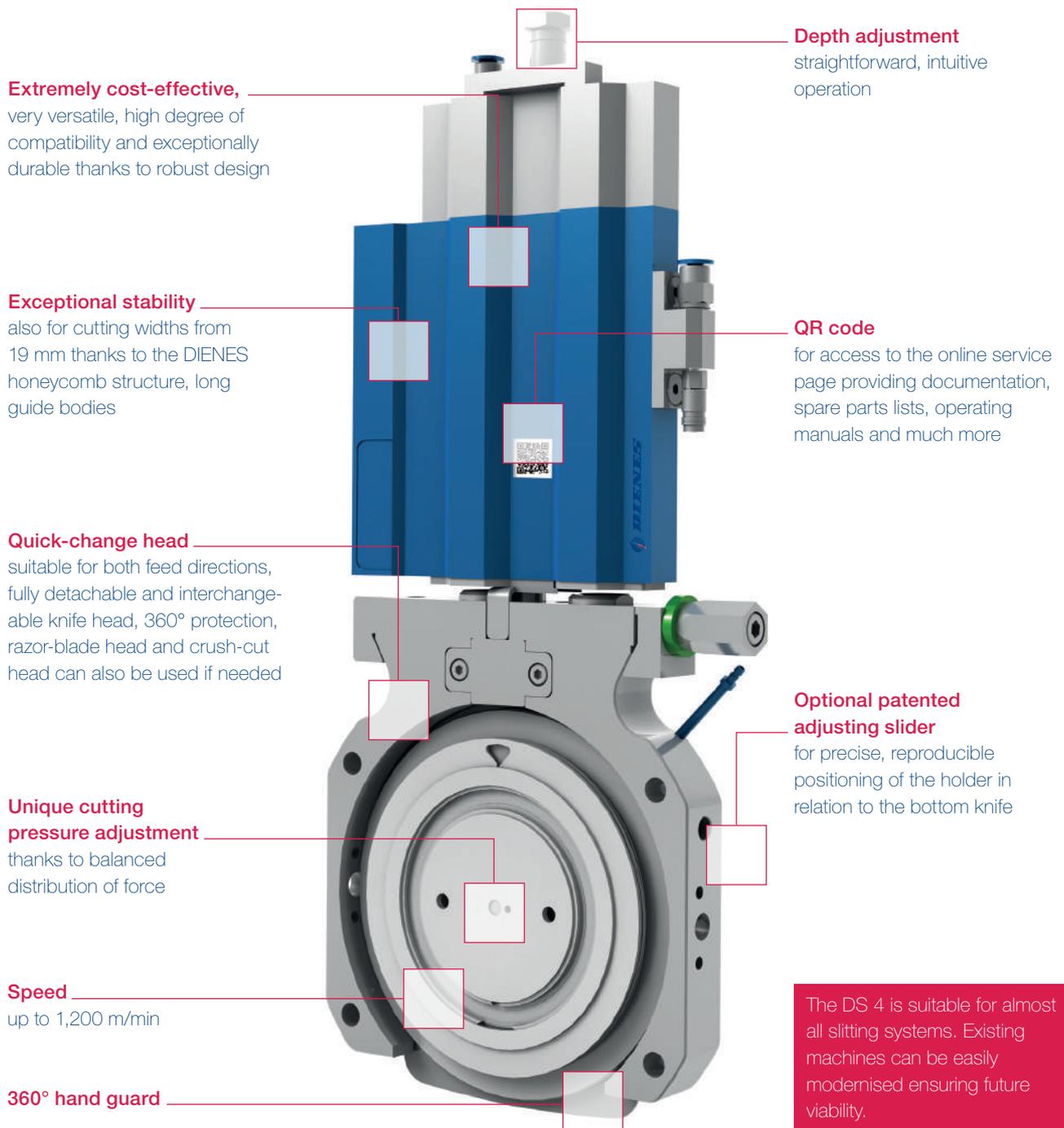
We provide maximum ease of maintenance by affixing the **QR code** on every DS 4 holder. Use the code to access



Releasing the knife head

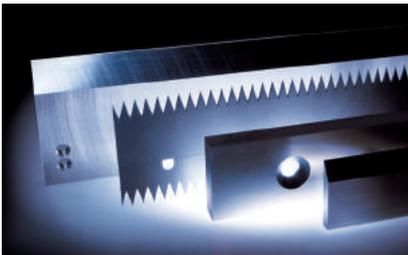
the DIENES online service page directly. This is where to obtain details of spare parts, order numbers, documentation and knives that can be used in the DS 4. In addition, you can also use the code to access DIENES' efficient and inexpensive grinding service.

# NUMEROUS ADVANTAGES.



The DS 4 is suitable for almost all slitting systems. Existing machines can be easily modernised ensuring future viability.

# CONVINCING FEATURES.



	DS 4	PSGm 19 DF
<b>Depth adjustment</b>	manual	manual
<b>Speed</b>	1,200 m/min	1,000 m/min
<b>Cutting width</b>	from 22 mm optional: from 19 mm (nested)	from 22 mm optional: from 19 mm (nested)
<b>Knife diameter</b>	105 mm optional: 130 mm	105 mm optional: 130 mm
<b>Shear angle adjustment</b>	yes	yes
<b>Type of guide</b>	ball bearing guide	slide bearing guide
<b>Vertical stroke</b>	20 mm	20 mm
<b>Horizontal stroke</b>	2.5 mm	2.5 mm
<b>Cutting force</b>	20–40 N	20–40 N
<b>Quick-change head</b>	yes	yes
<b>360° protection</b>	yes	–
<b>Lubricating felt</b>	optional	optional
<b>Air supply</b>	dual	dual
<b>Non-rusting</b>	yes	no
<b>Adjusting slide (Easy-Set)</b>	optional	optional
<b>Cover and extractor hood for dust extraction</b>	optional	no
<b>Various adapters</b> dovetail, linear i.a.	optional	optional
<b>Razor-blade head</b>	optional	optional
<b>Crush-cut head</b>	optional	optional

We will gladly provide you with more detailed information on the DS 4 as well as other innovative DIENES products: **circular knives** (top knives, bottom knives, rotary cutters and accessories), **straight knives** (paper knives, shear knives and slideways), **knife holders** (heat-cut holders, crush-cut, razor-blade and shear-cut knife holders), **slitting systems** (manual, semi-automatic and automatic), **service** (from local support to the grinding service and slitting laboratory). **Just give us a call on: +49 2206 605-0**