

INFOCUS

High
Precision

Finishing

Heavy
Duty

High
Feed

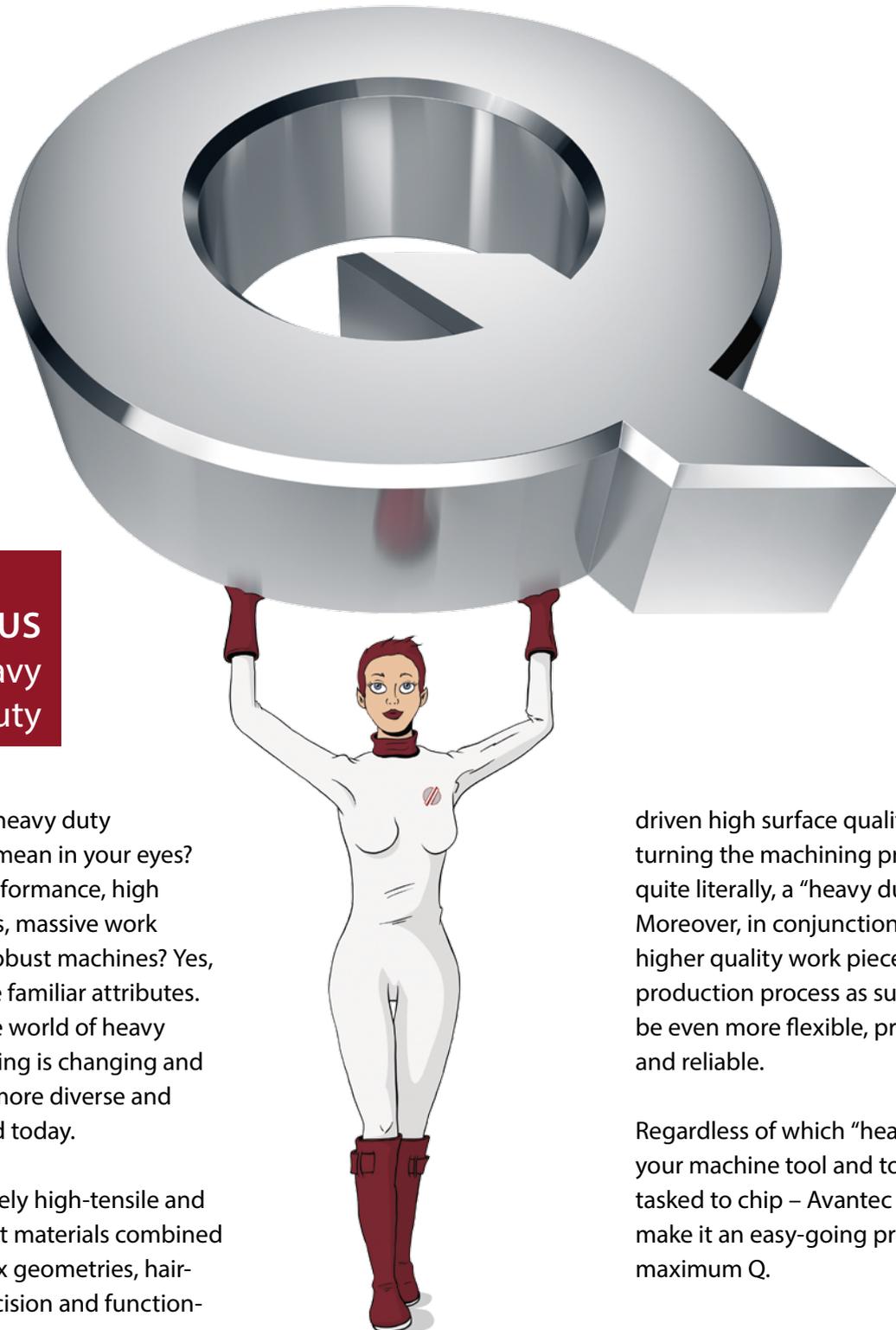
Four key applications – one objective: max. Q

Rediscover **heavy duty machining**: How to ...

FOCUS Heavy Duty

What does »heavy duty machining« mean in your eyes? Powerful performance, high chip volumes, massive work pieces and robust machines? Yes, those are the familiar attributes. However, the world of heavy duty machining is changing and it is already more diverse and sophisticated today.

New, extremely high-tensile and heat-resistant materials combined with complex geometries, hair-splitting precision and function-



driven high surface qualities are turning the machining process into, quite literally, a “heavy duty task.” Moreover, in conjunction with higher quality work pieces, the production process as such has to be even more flexible, productive and reliable.

Regardless of which “heavy duties” your machine tool and tool team is tasked to chip – Avantec solutions make it an easy-going process with maximum Q.

... turn **heavy duty** into
easy-going processes.

No matter whether you are milling highly precise full slots on a 10 x 2 m path into a rotor hub with a diameter of 3 m or rough and finish a flange in 12 seconds as part of a large series automotive production run – the objective is the same: Attain optimum quality with maximum Q each time.

Avantec® milling cutters deliver stable and reliable solutions for your heavy duty applications: Soft cutting results, high positive cutters and extremely stable designs.

NEW
OE45



Q = 1200 cm³/min

Tool-Ø 100 mm | $a_p = 4$ mm | $a_e = 75$ mm | $v_f = 4000$ mm/min
Hardened steels with tensile strength from 900 to 1200 N/mm²

 **AVANTEC**®
MILLING. HIGHLY POSITIVE

It's all about Q

First comes the solution.
Then our tool.
And then your success.

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