

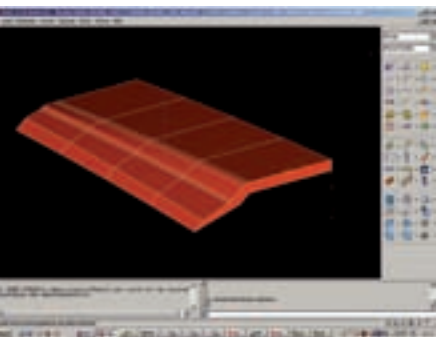
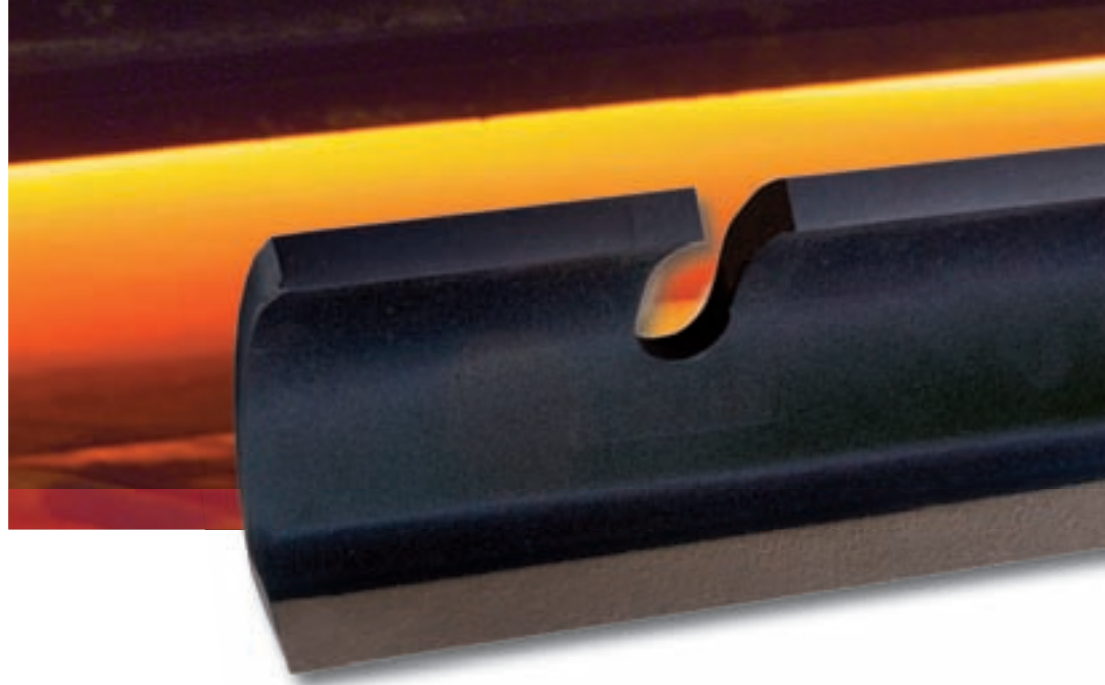
Busatis Quality Forage Harvester Knives

Busatis develops and manufactures quality forage harvester knives according to the **specifications of our customers**. The products are made of **special alloy tool steel**, are heat-treated, and have a highly wear-resistant coating. Busatis delivers **highly wear-resistant quality forage harvester knives** to all leading manufacturers of agricultural machinery worldwide.

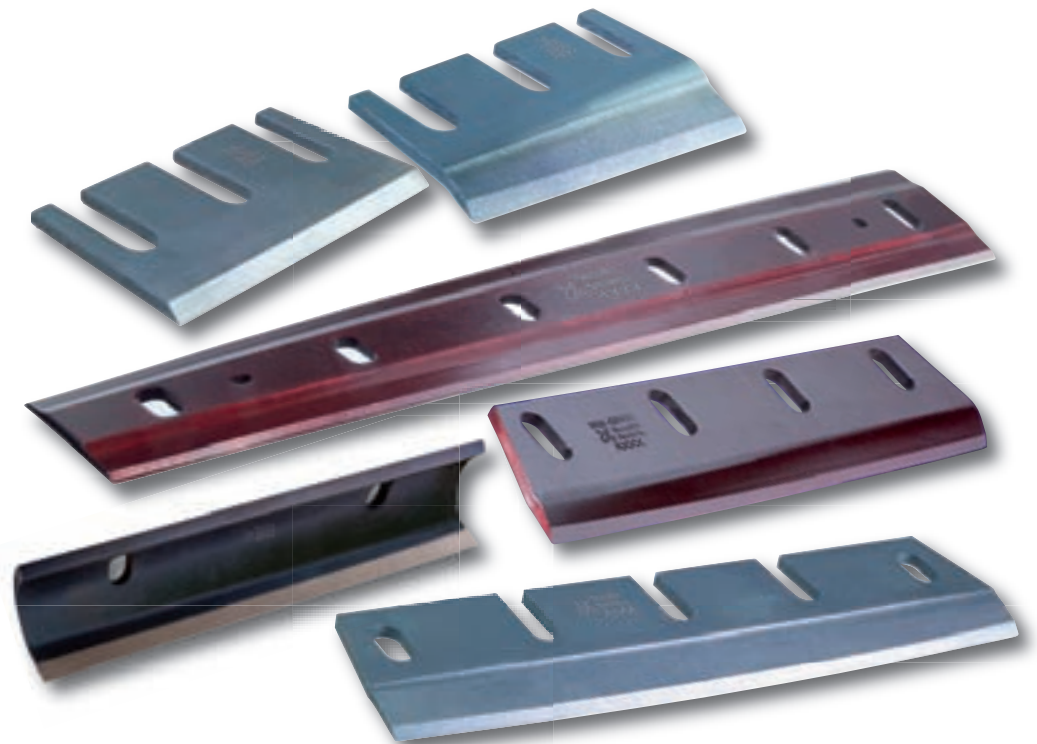
Advantages of the Busatis quality forage harvester knives:

- ▶ strong and wear-resistant
- ▶ maximum knife life
- ▶ long machine life cycles
- ▶ clean cut
- ▶ less fuel consumption

Quality forage harvester knives are manufactured according to your design and your needs

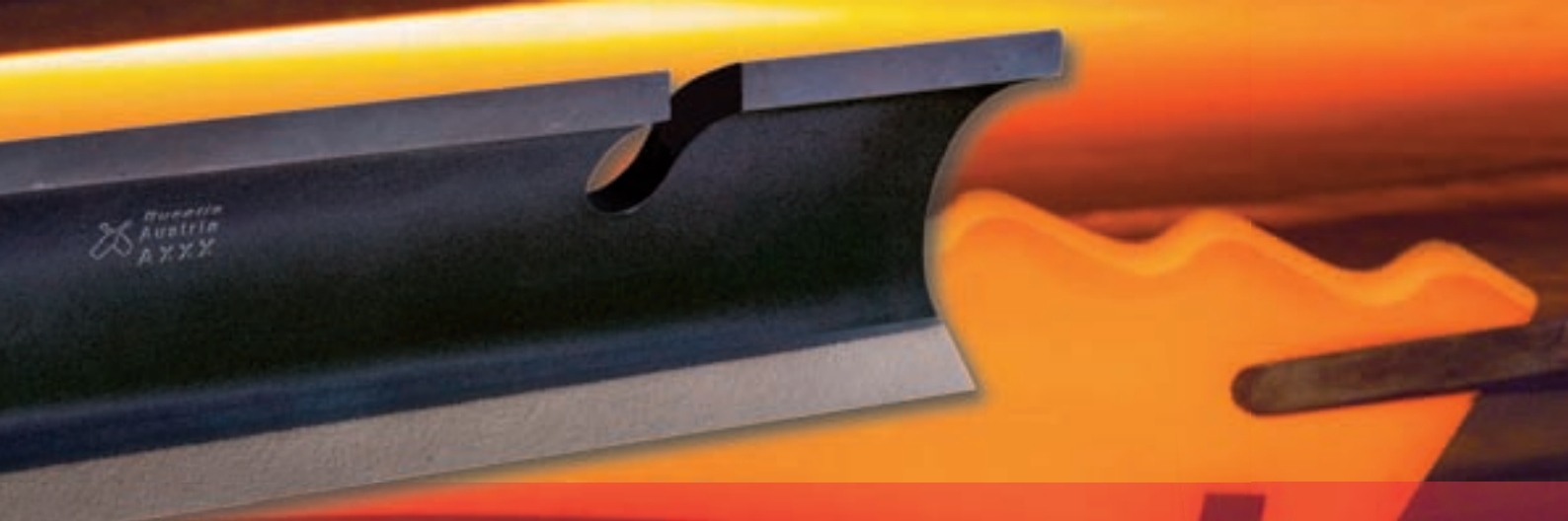


Development. Continually, new **cutting components** are developed with the engineering and testing departments of the most important manufacturers of agricultural machinery in the world. The close cooperation with **research departments** of powder producers, **universities** in Europe and North America, and independent laboratories ensures a permanent exchange of experience and knowledge. Busatis develops "your individual forage harvester knife".

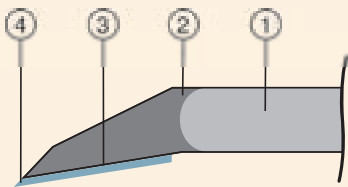


Production and quality. Busatis manufactures its products on the most modern, automated, and robot-controlled systems and of course meets the strictest quality specifications. Making use of its **expertise** and **technical equipment**, Busatis is able to manufacture **all products in consistently high quality**.

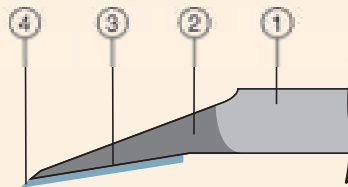
Areas of application. Busatis quality knives with **tungsten carbide coating** are chiefly used in the **agricultural sector** (grass, grain, corn, rape, wood ...).



Busatis Tungsten Carbide Technology



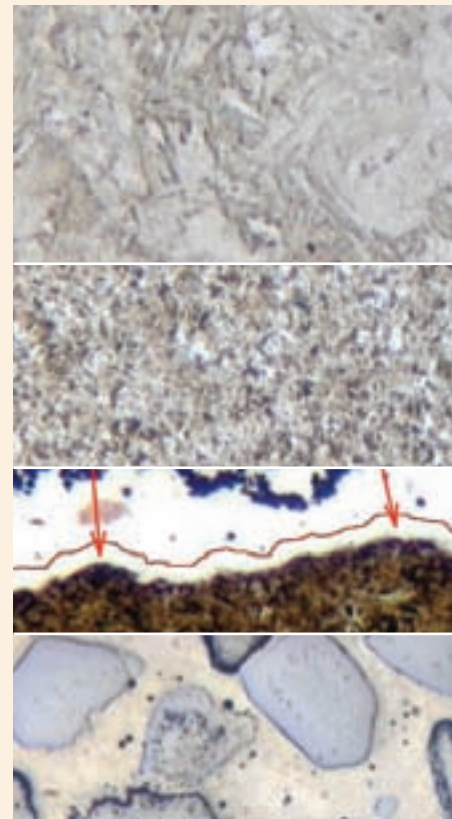
knife for grass



knife for corn



No.	Designation	Special features	Benefits for the customer
1	knife body	supports the cutting area; serves as supporting and clamping area; maximum toughness owing to high-strength and special alloy tool steel	stability perfect fit
2	cutting area	serves as cutting edge and supports the coating; inductively hardened for maximum hardness and toughness of the cutting area	less grinding effort longer service life
3	bonding zone for the coating	serves as hard bonding layer (matrix) between the carbide coating and the hardened basic material	optimum bonding of the coating parts to the basic material enables a long service life
4	tungsten carbide coating obtained by sinter treatment	serves as wear protection for the cutting edge and develops a self-sharpening built-up edge	wear-resistant cutting edge is responsible for a precise cut, less fuel consumption, and a long knife life



The coating of an **original Busatis knife** consists of a **special tungsten carbide alloy** that is bonded to the cutting edge of the knife by sinter treatment with exact temperature control. The coating has a high proportion of large and evenly dispersed tungsten carbides that are firmly bonded in the matrix. This leads to the self-sharpening of the knife. So, less grinding effort, longer knife life, and reduced harvest costs are obtained, being responsible for the particularly **economical effects** of using original Busatis knives.



Comparison in quality

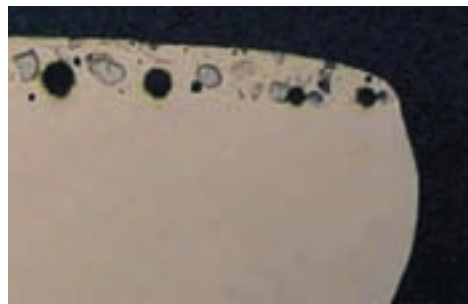
Busatis knife



- ▶ no pores
- ▶ many carbides
- ▶ sharp cutting edge

Knife by a competitor

coating example of reproductions



- ▶ many pores
- ▶ few carbides
- ▶ rounded cutting edge

little wear of the coating on the cutting edge after 155 cutter head hours



excessive wear of the coating after 98 cutter head hours



Busatis quality

High cutting quality and less fuel consumption!