



**WE THANK YOU VERY MUCH FOR BUYING A COMANDANTE PRODUCT
AND FOR YOUR TRUST IN OUR COMPANY AND PRODUCTS!**

Bernd Braune, El Comandante

C40 NITRO BLADE®

Built for true coffee enthusiasts and specialty coffee connoisseurs, the C40 (MKIII) Nitro Blade is a robust high performance coffee hand grinder with an advanced burr set design. The selection of the burr material is the proud result of dedicated research and development. Earlier in 2015, we decided to chose a very special high-alloyed, high-nitrogen stainless steel with a fine martensitic matrix as our top of the line burr material.

We further refined the geometry and structure of the Nitro Blade burr to get the grind performance we were looking for and the particle distribution which worked best with brewing fresh ground specialty arabica beans. Manufacturing a Nitro Blade is a serious engineering task which requires special tools and machinery, excellent craftsmanship and lots of experience. High-nitrogen martensitic steel is extremely difficult to work with. But when finished, it is tough, highly wear resistant and has a high degree of edge retention. This is what we want.

After hardening and tempering a finished Nitro Blade, we give it the last engineering kick. We cut tiny micro-blades on the tips of the Z-teeth to give it an ultra sharp burr entry. The grind result gives you a very refined particle size distribution for all grind grades from coarse grind for hand brewing to fine grind for pulling espresso shots. We love our little masterpiece. It shows our heritage from Bavaria and Black Forest in Germany.

We think stainless steel is the right choice to build a robust coffee grinder. So the C40 has a stainless steel body, a stainless steel axle, a stainless steel crank and stainless steel micro ball bearings.

The “naked” C40 has a brushed stainless steel body. For the wood version, we laminate a genuine wood layer on top of the stainless steel body. Both body surfaces give you a solid grip for serious crank action.

GRIND THRUPUT

Comandante burr sets are always cut from solid metal blocks by experienced craftsmen. Burr geometry has been optimized to achieve excellent grind thruput with medium crank torque delivering refined grind particle size distribution for best brew results. Grind thruput averages at 1 coffee bean per turn at a comfortable medium turning force.

NITRO BLADE BURR SET

The Nitro Blade burr set is the ultimate performance choice. It “cuts” coffee beans in a very unique way. The grind result is extremely exact and very uniform with the least amount of coffee dust. Both ring and core are cut out of a solid block of high-alloyed, high-nitrogen stainless steel. This makes the Nitro Blade very sharp and strong with excellent edge retention and wear resistance. Nitro Blade is also extra non-corrosive and shows an excellent cut performance.



PLEASE BE CAREFUL!

DANGER: SHARP BURR EDGES AND BURR TEETH!

**PLEASE BE EXTRA CAREFUL WHEN YOUR FINGERS GET CLOSE TO ANY BURR EDGE OR BURR TEETH. BOTH BURR EDGE AND TEETH ARE VERY SHARP AND CAN EASILY CUT AND SERIOUSLY HARM YOU.
PLEASE KEEP YOUR CHILDREN AWAY FROM THE BURR!**

HIGHLY INERT BURR SURFACE

The Nitro Blade’s steel surface is highly inert and therefore performs with absolute sensoric neutrality. This is particularly essential when grinding complex acidic high quality micro lot arabica coffee. The Nitro Blade with its physical and chemical properties is the top choice for all serious coffee brewers and top baristas.

Try your Nitro Blade also with salt and pepper or other dry herbs. You will be surprised about the grind result. Fresh ground seasoned salt powder – extremely tasty!

COFFEE & TEA

Nitro Blade is an excellent grinder for both coffee and tea. Yes tea! The special burr geometry in combination with

the highly inert stainless steel blades give you a tool to discover new flavor dimensions.

AXLE WITH MICRO BALL BEARINGS

The center axle is fixed and supported by two micro ball bearings for better distribution of force and grind momentum. Both micro ball bearings are encapsulated with rubber for protection and smooth operation.

The turning crank is made of stainless steel and can be removed to better fill the C40. The clear disc on the crank has been pressed onto the stainless steel quite solidly, but can be adjusted if necessary.

100% NATURAL OAK WOOD

The wooden knob is made by a friend in the Black Forest region. It is made of 100% natural oak wood and is mounted with a push-button-mechanism onto the crank. You are able to remove it and click it back on. Shape and form of the wooden knob have been designed for comfortable and solid feel during grinding.

All wooden surfaces have been treated with a safe Wax-Oil.

SAFE TRITAN™ (BPA-FREE)

All burr frame parts in synthetic material are made with BPA-free copolyester TRITAN™ which is known to be a very robust and break-resistant synthetic material. According to Eastman, TRITAN™ is not only BPA-free, but it is also not manufactured with bisphenol-S or any other bisphenol compounds. In addition, third-party labs have tested TRITAN™ and the results have demonstrated that it is free of estrogenic and androgenic activity. A very safe material to hold your precious coffee beans.

GRIND GRADE SELECTION - 3-WAY CLICK ACTION

The grind grade selection dial has been designed like a three-legged star with a proper click action. We use three independent micro steel ball click units to assure a balanced pressure scenario for the burr conus. It is located at the bottom of the C40. Use three fingertips and turn the star clock-wise to get a finer grind result or counter-clock-wise for a more coarse grind. The click action firmly locks in your preferred grind grade.

But please be careful with your fingers when you operate close to the burr edges. The Burr edges of Nitro Blade are extra sharp. You can easily cut and harm yourself if you are not careful.

GLASS JAR WITH LID

The glass jar at the bottom holds 40 grams of coffee which gives you approximately 4–5 cups of coffee. We use glass because it is a perfect storage device and you can easily clean it with hot water. You get 2 glass jars with the C40. One in clear and one in brown. Plus, you get a lid for your extra glass jar. The lid is made of Urochem 371, which is manufactured from renewable natural resources and can be recycled.

PLEASE BE CAREFUL!

- Please be extra careful when you use this coffee grinder. The attached glass container may break when it hits a hard surface like the floor. Broken glass is dangerous and can seriously harm you!
- Please don't let children play with this coffee grinder. It is heavy, it has very sharp blades and a glass jar which can break!

C40 (MKIII) NITRO-BLADE DATA SHEET

Burr Geometry:	Comandante Z15MB-V7LC-DSE-200
Burr Material:	Patented High-Alloyed High-Nitrogen Stainless Steel
Grind Thruput Average:	> 1 Bean per turn at < 3,0 Nm
Body:	Stainless Steel (Wood Veneer)
Axle:	Stainless Steel
Crank:	Stainless Steel
Crank-Knob:	100% Natural Oak Wood (hand-made in Black Forest)
Wood Surface Treatment:	Natural-based Wax-Oil (suitable for children's toys)
Engine-Frame:	Eastman Tritan (BPA-free)
Axle Bearings:	2 x Stainless Steel Micro Ball Bearing with Rubber Seals
Jar:	Glass (clear & brown)
Lid:	Urochem 371 (natural-based)
Packaging:	only recyclable Paper

COMANDANTE
GERMAN GRINDER TECHNOLOGY

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