



**NOGA ENG**  
ENGINEERING & TECHNOLOGY

# PLASTIC DEFLASHING TOOLS



Deburring • Edge Finishing Surface • Reflection

# FROM BURR TO BRILLIANCE



Plastic components demand precision finishing. From injection molding to 3D printing, even the smallest edge imperfection can affect performance, safety, and visual quality.

This is not merely aesthetic; it ensures that components fit together perfectly in complex assemblies, which is critical for industries like aerospace, automotive, and medical devices.

Noga delivers engineered deflashing and finishing tools designed to control edges, remove burrs, and elevate surface standards across modern polymer applications.

# CERAMIC BLADE DEFLASHING TOOLS



Noga Industrial ceramic deburring blades are specialized tools designed to remove excess material (burrs) from the edges of processed parts for many applications in plastics and soft metals. These blades are typically made from zirconium oxide, offering a unique balance of extreme hardness and workplace safety.

Noga Ceramic blades have hard, pristine edges which help them stay sharp for longer. The CERU-CUT blades are safe, reducing the risk of personal injury, and therefore a strong alternative to steel blades for a variety of industrial and home uses.

The specialized properties are non-sparking, non-magnetic, and non-conductive, making them ideal for 3D printing, sensitive electronics, or even in hazardous environments.

Ceramic blade material is non corrosive, ensuring a clean finish on every part.

# CERAMIC BLADE TOOLS

High-performance ceramic cutting solutions engineered for precision deflashing of plastic components. Designed for durability, control, and clean edge results across injection molding, extrusion, and additive manufacturing applications.



## CR2000 STRAIGHT BLADE

Ideal for plastic materials and soft metals.  
Perfect for parting line flash removal.  
Includes replaceable straight Cera-Cut blade.



## CR2300 RADIUS BLADE

Ideal for plastic materials and soft metals.  
Perfect for curved edges and small ridges.  
Includes replaceable radius Cera-Cut blade.



## CR3000 COMPLETE SET

- CR2100 Handle
- CR2200 Straight Blade
- CR2500 Radius Blade

*Supplied in retail packaging*



# CERAMIC BLADE TOOLS

Achieve a flawless finish on your most challenging materials with our ceramic deburring tools, that cleanly strip away flash and parting lines without gouging the molded part. They provide the precise edge needed for high-quality products.



## **CR1100 CERA-CUT**

Modified ergonomic Soft Grip handle for maximum comfort and control.

Ideal for deburring and trimming plastic components.

Suitable for plastics and soft materials.

Durable, corrosion-resistant blade holder.

Extremely long life. Disposable tool.

Includes: 250mm convex radius ceramic blade, mounted in the ergonomically designed handle with soft grip.



## **DB5000 CERAMIC DOUBLE-BURR**

Simultaneous deburring on both sides of the workpiece.

Designed to remove sharp edges and burrs from holes and edges for thermoplastics, acrylic, polycarbonate, and other hard plastics, up to a maximum of 1/2 inch, using a specialized "Double Burr" approach.

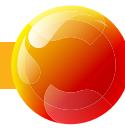
Modified ergonomic DB handle with non-slip grip and hand guard.

V-shaped twin ceramic blades, high hardness (1250 HV) with a range of 1 - 11 mm.

Includes replaceable V-shaped ceramic blades.



# HSS BLADE FINISHING TOOLS

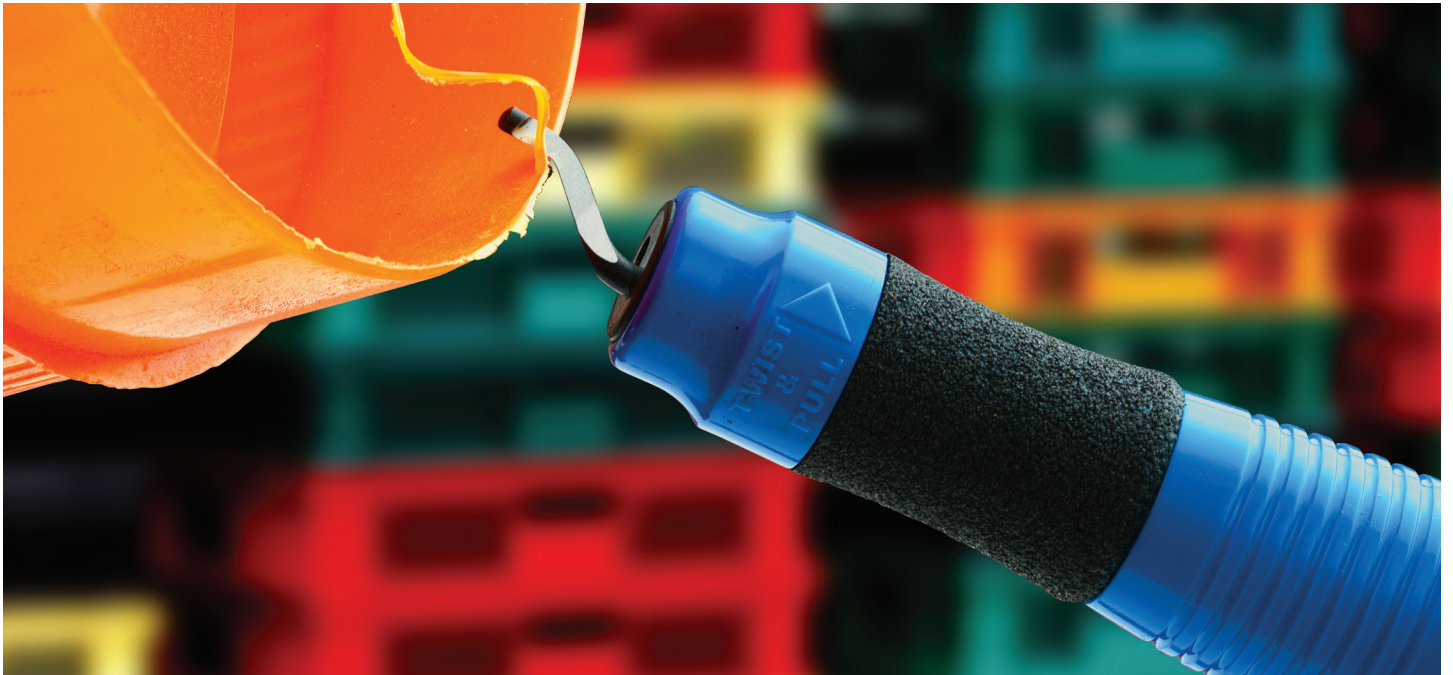


Achieving a flawless surface on plastic components requires a delicate balance of speed, heat management, and tool geometry. HSS blades remain the gold standard for precision finishing and deburring of polymers due to its ability to maintain an incredibly keen, razor-sharp edge. Because plastics are sensitive to thermal deformation, using HSS blades allows for clean, shear-like cuts that remove flash and imperfections without melting the workpiece. Understanding the relationship between blade rake angles, manual dexterity, and material-specific characteristics is essential for any technician looking to elevate the aesthetic and functional quality of plastic parts.

In the realm of precision finishing, hand tools equipped with HSS blades offer a level of tactile feedback and maneuverability. Noga tools, ranging from swivel-head deburrers to fixed-blade scrapers, allow technicians to follow complex contours and reach internal diameters with ease. The primary advantage of manual deburring is the operator's ability to adjust applied pressure and angle of attack in real-time, preventing the "digging" or "chatter" that can ruin a soft plastic surface. By pairing a high-quality HSS edge with ergonomic handles, Noga ensures a consistent, burr-free finish on even the most intricate molded components.

# HSS BLADE TOOLS

Noga High Speed Steel (HSS) tools are highly effective for plastics as they are essential for achieving clean surface finishes on soft materials such as polymers. HSS allows for a "razor-sharp" edge, slicing through the plastic without tearing. HSS is also more resistant to sharp burrs, making it safer for manual use.



## **SG1000** SOFT GRIP

Ergonomic handle for extra comfort and accurate control.

Suitable for light and heavy-duty applications.  
Compatible with S100 and N10 Carbon blades.  
Replaceable blades available.



## **E02001** PLASTIC EDGE-OFF

Ideal for precision edge trimming  
Suitable for all standard S-type blades.  
Supplied with plastic handle with S150 bl  
Replaceable blades available.



## **RB1400** - PLASTIC RAPID BURR

A very economical tool, ideal for precision edge trimming.  
Suitable for all standard S-type blades.  
Supplied with plastic handle with S100 blade.  
Replaceable blades available.



# PROFESSIONAL & DIY TOOL SETS

For both professionals and DIY enthusiasts, **CleanEDGE** Sets are essential for smoothing sharp edges on metal, plastic, and 3D-printed parts. The sets include handheld tools with specialized blades for different hole types and surfaces.

## Plastic Set for DIY CleanEDGE

### NB1401 PLASTIC SET DIY

Deburring Set for plastic materials and soft metals. Ideal for precision plastic edge trimming.

**N1100** Yellow Handle with S150 blade.

**CR2000** Yellow Handle with Ceramic Straight blade  
Replaceable blades available.



## Plumbing & HVAC CleanEDGE

### NB1400 DEBURRING & REAMING SET

For Plumbers and HVAC (Heating, Ventilation and Air Conditioning) professionals, deburring is a critical installation step rather than just a finishing touch. Using the proper deburring tools ensures system efficiency and prevents long-term mechanical failures. Ideal for plastics and metal pipe deburring.

**NB1100** Red Handle with S150 blade.

Replaceable blades available.

**SP81005** Red Reamer: Deburrs both the inner and outer edges of plastic or soft metal tubing.

Plastic body with 3 cutters.



# 3D PRINT KIT FOR PLASTICS

## COMPREHENSIVE SET OF TOOLS AND BLADES FOR 3D PRINTING

Noga's UNIVERSAL professional and recreational 3D Print Kit contains a complete range of tools and blades for deflashing, deburring and edge finishing of 3D plastic printed parts for professionals and hobbyists in the workshop environment or home.



### INCLUDED IN THE KIT:



**CR2000** Ceramic Tool



**RB1600** Rapid Burr Handle



**BD5001** D50 Scraper Blade

**BK3000** S150 Blade

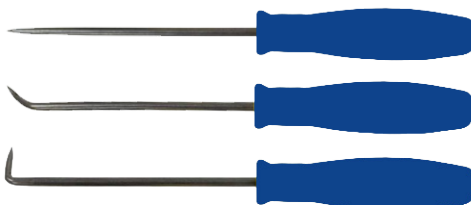
**BS2000** S20 Blade

**BO1001** O Ring Blade

**BS7000** S70 Blade

**BK3112** S150 TiN-Coated Blade

**COMING SOON**



**CH4000** Hook Set  
Including: **3 Handles**  
3 blades

# 3D PRINTING MULTI-TOOL

## FOR ADDITIVE MANUFACTURING

Introducing the NEWEST Noga 3D MULTI-TOOL portable hand tool that combines several individual functions into a single unit.

The Noga 3D printing kit is a premier, high-quality post-processing tool used to remove supports, brims, and surface imperfections from 3D-printed plastic parts, and enhance final part quality across professional and industrial applications. Known for its ergonomic aluminum handle and rotating HSS blades, it allows for smooth, precise finishing on both straight edges and curved surfaces.

**COMING SOON**



## 3D PRINTING TOOL

- Removes support marks and layer burns.
- Ideal for PLA, ABA, PETG and nylon.
- Precision control for delicate geometries
- Replaceable blades.
- Ergonomic soft-grip handle.

## INTERNAL MECHANISM

- Integrated blade storage.
- Secure locking system.
- Compact modular construction.



Illustration for informational purposes only. See final specifications upon release.

# BLADES AND APPLICATIONS

## CERAMIC & HSS SOLUTIONS

### CERAMIC BLADES

All Noga **CR** blades are manufactured from high-performance ceramic material. Hardness: 1400-1700 HV.

Cat. No.	Blade Image	Edge	Application
CR2200		Straight	Parting Line Flash Surface Scraping
CR2500		Radius	Curved Edge Shallow Steps
CR5100		Double Burr	Thin Sheet Metal

### SCRAPER

The Noga scraper blade is manufactured from HSS. Hardness: 63 Rc.

Ordering Cat. No.	Cat. No.	Blade Image	Angle	Material	Application
BD5010	D50		60°	HSS M2	Bushing Scraping Surface Scraping

### HSS BLADES

Noga **HSS** blades are manufactured from HSS. Hardness: 62-64 Rc except N10 cobalt 65-66Rc.

BLADE	PICTURE	INCLUDED ANGLE	MATERIAL	HARDNESS	ORDERING CAT. NO.	ABS	POLYACETAL	P.E	P.P	K-RESIN	P.C	POLYAMIDE	P.S	P.V.C
<b>S BLADES HEAVY DUTY Ø 3.2mm</b>														
S100		45°	HSS M35	65 Rc	BS1018	■	■	■	■	■	■	■	■	
S150		45°	HSS M2	63 Rc	BK3010		■	■	■	■	■		■	■
S150 TiN		45°	HSS M2	63 Rc	BK3103	■	■	■	■				■	
S10		40°	HSS M2	63 Rc	BS1010				■	■	■	■	■	■
S20		60°	HSS M2	63 Rc	BS2010		■	■	■				■	■
<b>N BLADES LIGHT DUTY Ø 2.6mm</b>														
N10P		35°	HSS M35	65 Rc	BN1410		■	■	■			■	■	■
N10		45°	HSS M35	65 Rc	BN1310	■		■	■	■	■	■	■	
N2		80°	HSS M2	63 Rc	BN2010			■	■			■	■	■
N1		40°	HSS M2	63 Rc	BN1010				■	■	■	■	■	■
N1 TiN		40°	HSS M2	63 Rc	BN1012	■	■	■	■		■			

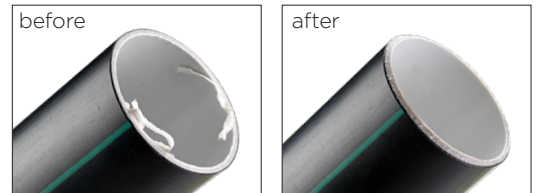
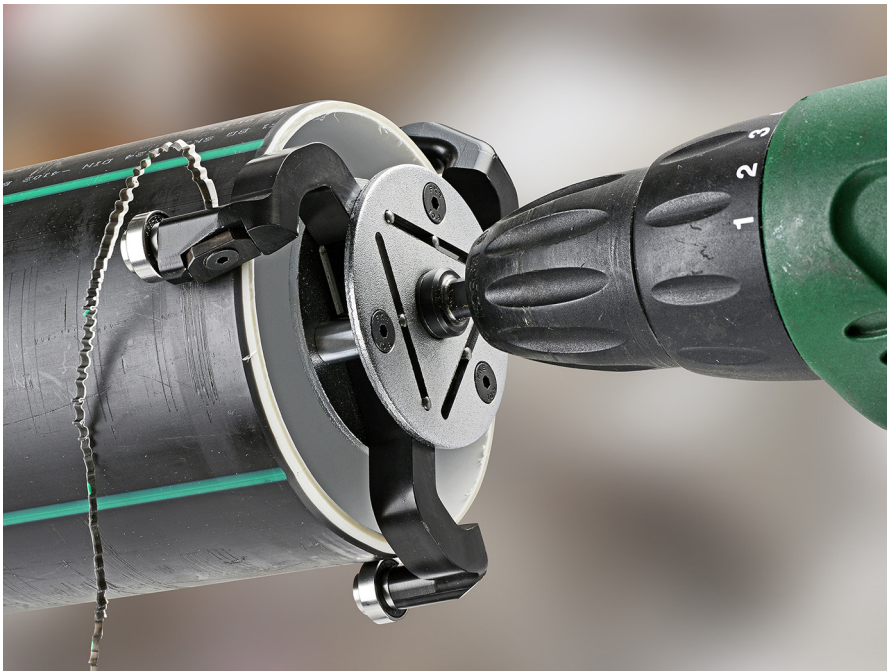
■ First Choice

■ Second Choice

# SPIDER BURR - PROFESSIONAL

**SPECIALIZED TOOL FOR DEBURRING & CHAMFERING PLASTIC PIPES AND TUBING. FOR PLUMBERS, PIPEFITTERS, HVAC TECHNICIANS.**

**UNIQUE SELF ADJUSTING MECHANISM ● ENABLES QUICK OUTER EDGE BURR REMOVAL ● EXTREMELY FAST CHAMFERING ON EXTERNAL TUBES ● IDEAL FOR THE OUTSIDE DIAMETER OF PLASTIC PIPES**



EASY SET UP - the diameter of the Spider Burr automatically and quickly adjusts to the required outer circumference of the pipe.

Works on different plastic pipes and tubes such as UPVC, PVC, PP, PE, CPVC, ABS etc.

Working range: 75 - 110 mm (2.5" - 4"), 110 - 160 mm (4" - 6").

Works best with standard electric/cordless drills - 14V and up.

For best performance run the drill at a low RPM.

Use the drill position setting.

Same blade is used for both models and is replaceable.



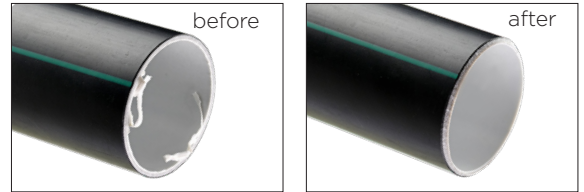
Order No.	Range mm	Range inch
<b>PC2000</b>	75 - 110 mm	2.5" - 4"
<b>PC3000</b>	110 - 160 mm	4" - 6"
<b>PC1100</b>	Replacement blade	



# INNER - OUTER REAMER

Noga's self-adjusting chamfering tool is designed for fast, consistent and reliable outer edge burr removal. Cleanly shaving off sharp edges on exterior circumferences and smoothing the inside diameter, ensuring seamless, leak-free connections. Ideal for plastic pipe applications.

**Works with: UPVC, PVC, PP, PE, CPVC, ABS.**



## PC6000 INNER - OUTER REAMER

Fast chamfering up to 75 mm on plastic.

Works on different plastic pipes and tubes such as UPVC, PVC, PP, PE, CPVC, ABS etc.

Works best with standard electric/ cordless drills - 14V and up.

For best performance run the drill at a low RPM. Use the drill position setting.



Order No.		Range	
PC6000	EXT.	75 - 110 mm	2.5" - 4"
	INT.	11 - 160 mm	4" - 6"
PC6100	Replacement blade		

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All NOGA products meet the strict requirements of ISO 9001, 14001 and ISO 14385.

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## **WARNINGS**



- Blades are sharp and can cut.
- Blades can break causing flying shards.
- Sharp edges and flying shards can cause injury.
- Wear safety goggles (both user and bystanders).
- Do not pry or bend blades.
- Keep away from children.
- Do not regrind blades.





SIMPLY SOPHISTICATED

NOGA ENGINEERING is apart of the NOGA GROUP



Noga Engineering and Technology (2008) Ltd.  
P.O.B. 55. Dora Industrial Park  
Shlomi 2283200, Israel  
Tel: 972-4-9808080  
Fax: 972-4-9808638  
E-mail: [noga@noga.com](mailto:noga@noga.com)  
[www.noga.com](http://www.noga.com)

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