ARTIFEX

Elastisches Schleifen und Polieren
Elastic bonded Abrasives

Quality Made in Germany since 1924

Polishing of turbine blades

Polishing of turbine blades

You have the surfaces - we take care of the finish. Our products are always called for when surfaces cannot be further refined with conventional vitrified or resin-bonded grinding wheels. Contrary to abrasive belts, they can also be used to finish hard to reach surfaces.

In ARTIFEX tools, abrasive grains such as silicon carbide or aluminium oxide are flexibly embedded in elastic materials, such as foamed polyurethane (P) or rubber (Rplus). As a result, our grinding and polishing wheels are sponge-soft, finely porous or hard, but always elastic. Depending on the application, the specifically matched composition of grain and bonding results in the desired finish.

WORKPIECES
Jet engine blades | Steam turbine blades |
Stator and rotor blades

MATERIAL
Steel-, Nickel- and Titanium alloys

MACHINES
Manual machines | Robots

PROCESS DESCRIPTION
Surface polishing up to the root

PROCESS PARAMETER
Dry grinding, hand- or robot guided on bench grinders

RESULT
Mirror finished surface

TOOL

Product :	ARTIFEX SC 120 HP
Bonding :	Foamed Polyurethane
Hardness :	H (hard)
Grit size :	Silicon carbide F120
Delivery form :	Peripheral wheels
Dimension :	OD Ø 40 - 400 mm

Product :	ARTIFEX SC 150 MP
Bonding :	Foamed Polyurethane
Hardness :	M (medium)
Grit size :	Silicon carbide F150
Delivery form :	Peripheral wheels
Dimension :	OD Ø 40 - 400 mm

ADVANTAGES
Polishing process reaching the root of the blade, were grinding belts normally do not work
Low risk of grinding burns
High service life of the tool

The ARTIFEX promise

We stand for tools that guarantee the highest quality standards. All ARTIFEX products are **„Made in Germany“** and their above-average service life speaks for itself.

Our service: You have individual requirements, we offer customised solutions regardless of the material, shape or dimensions. We will gladly advise you on your premises.

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