

**TECHSPEC®**

**Plankonkave (PCV) Zylinderlinse für Laseranwendungen, 25,4 x 25,4 mm x -75 mm BW, unbeschichtet**



TECHSPEC Beam Shaping Fused Silica Cylinder Lenses

Produkt **#36-096** **8 In Stock**

- 1 + €136<sup>.00</sup>

**+ WARENKORB**

Mengenrabatte	
Stk. 1-5	€136,00 stückpreis
Stk. 6-25	€123,00 stückpreis
Stk. 26-49	€116,00 stückpreis
Need More?	<a href="#">Angebotsanfrage</a>

! Preise exklusiv der geltenden Mehrwertsteuer und Abgaben

Downloadbereich

**Produktdetails**

Cylinder Lens, Plano-Concave **Typ:**

**Physikalische und mechanische Eigenschaften**

Protective as needed	<b>Fase:</b>
3.00	<b>Mittendicke CT (mm):</b>
±0.1	<b>Toleranz Mittendicke (mm):</b>
22.86 x 22.86	<b>Freie Apertur CA (mm):</b>
+0.0/-0.025	<b>Toleranz Größe (mm):</b>
25.4 x 25.4	<b>Größe (mm):</b>
5.31	<b>Randdicke ET (mm):</b>
<3	<b>Achsenverdrehung (arcmin):</b>

## Optische Eigenschaften

-75.00	<b>Effektive Brennweite EFL (mm):</b>
<a href="#">Fused Silica</a> (Corning 7980)	<b>Substrat:</b> <input type="checkbox"/>
3.00	<b>Blende:</b>
0.17	<b>Numerische Apertur NA:</b>
Uncoated	<b>Beschichtung:</b>
200 - 2200	<b>Wellenlängenbereich (nm):</b>
-77.06	<b>Hintere Brennweite BFL (mm):</b>
34.38	<b>Radius R<sub>1</sub> (mm):</b>
20-10	<b>Oberflächenqualität:</b>
1.5λ	<b>Power (P-V) @ 632,8 nm:</b>
M4	<b>Unregelmäßigkeit (P-V) @ 632,8 nm:</b>
<3	<b>Keilwinkel plane Achse (arcmin):</b>
<3	<b>Keilwinkel gekrümmte Achse (arcmin):</b>

## Konformität mit Standards

<a href="#">Konform</a>	<b>RoHS 2015:</b>
<a href="#">Konform</a>	<b>Reach 223:</b>
<a href="#">Anzeigen</a>	<b>Konformitätszertifikat:</b>

## Produktdetails

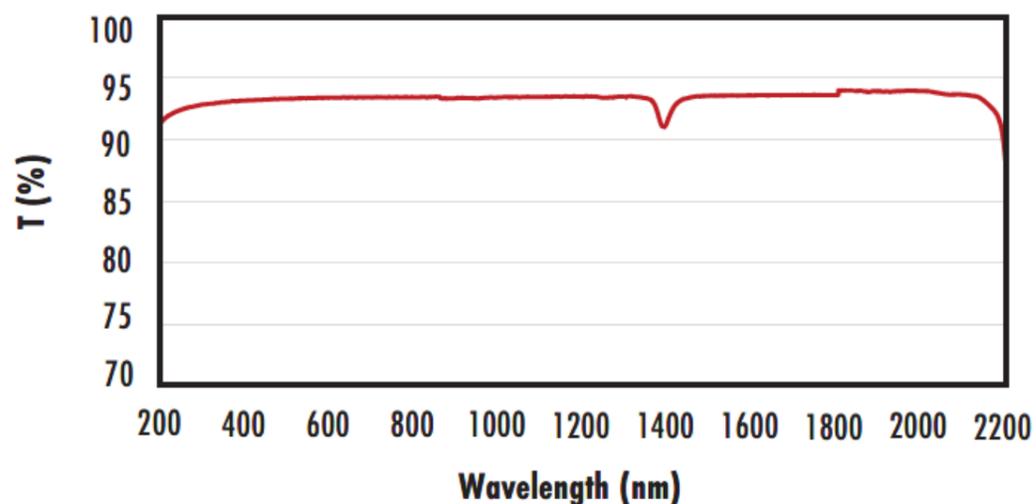
- Sehr gute Eigenschaften vom UV- bis zum IR-Spektrum
- Quarzglassubstrat
- Optische Oberflächenqualität für Laser geeignet

TECHSPEC® Breitbandige Zylinderlinsen für Laseranwendungen zeichnen sich durch präzise Spezifikationen für die anspruchsvollsten Anwendungen aus. Diese Linsen bestehen aus hochwertigem optischem Quarzglas und sind mit einer Oberflächenqualität von 20-10 bestens für Laseranwendungen geeignet. Vorteil unserer TECHSPEC® breitbandigen Zylinderlinsen sind die engen Keilwinkeltoleranzen, die typischerweise bei allen Maßen unter 3 Bogenminuten liegen. Die Integration und Montage dieser Linsen wird durch die quadratische Form erleichtert.

## Technische Informationen

FUSED SILICA

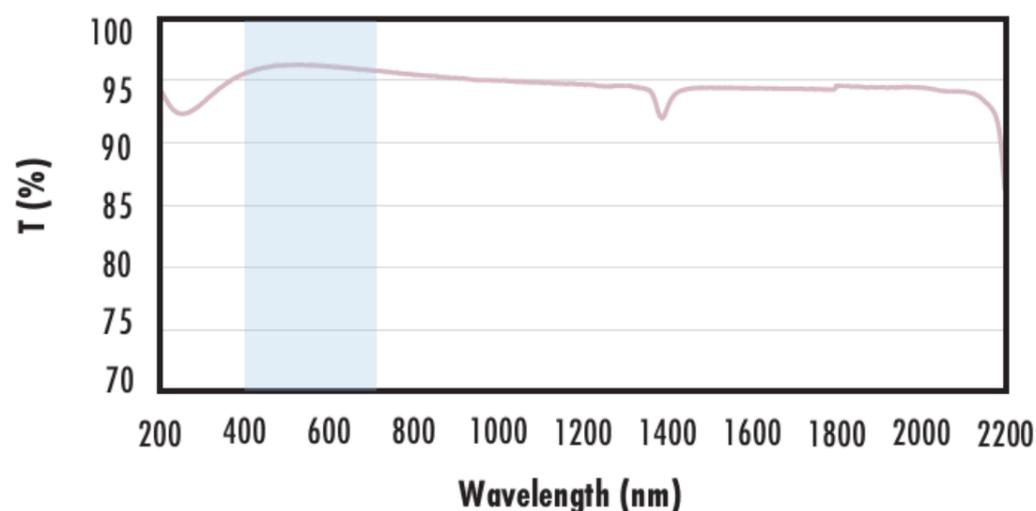
**Uncoated Fused Silica  
Typical Transmission**



Typical transmission of an uncoated fused silica window across the UV - NIR spectra.

[Click Here to Download Data](#)

### Fused Silica with MgF<sub>2</sub> Coating Typical Transmission



Typical transmission of a fused silica window with MgF<sub>2</sub> (400-700nm) coating at 0° AOI.

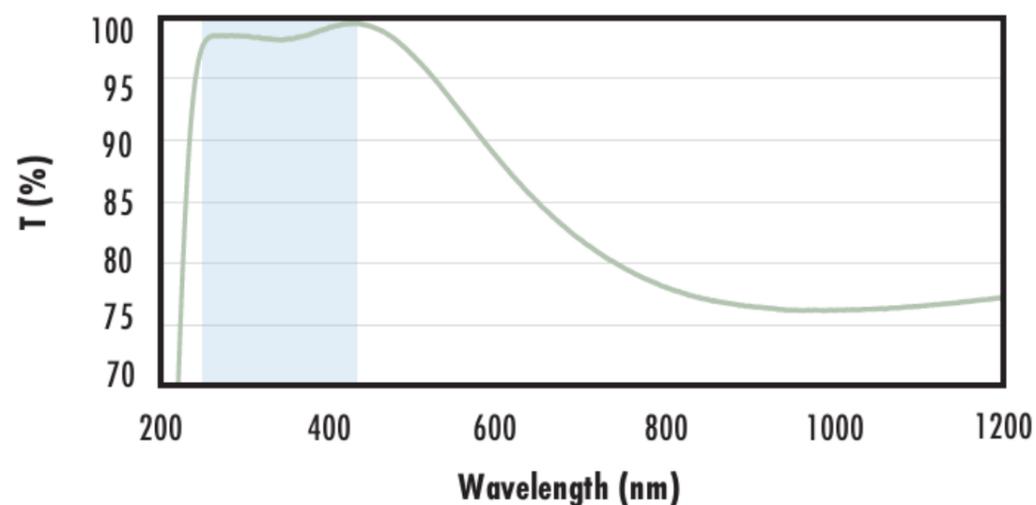
The blue shaded region indicates the coating design wavelength range, with the following specification:

$$R_{avg} \leq 1.75\% @ 400 - 700\text{nm (N-BK7)}$$

Data outside this range is not guaranteed and is for reference only.

[Click Here to Download Data](#)

### Fused Silica with UV-AR Coating Typical Transmission



Typical transmission of a fused silica window with UV-AR (250-425nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelength range, with the following specification:

$$R_{abs} \leq 1.0\% @ 250 - 425\text{nm}$$

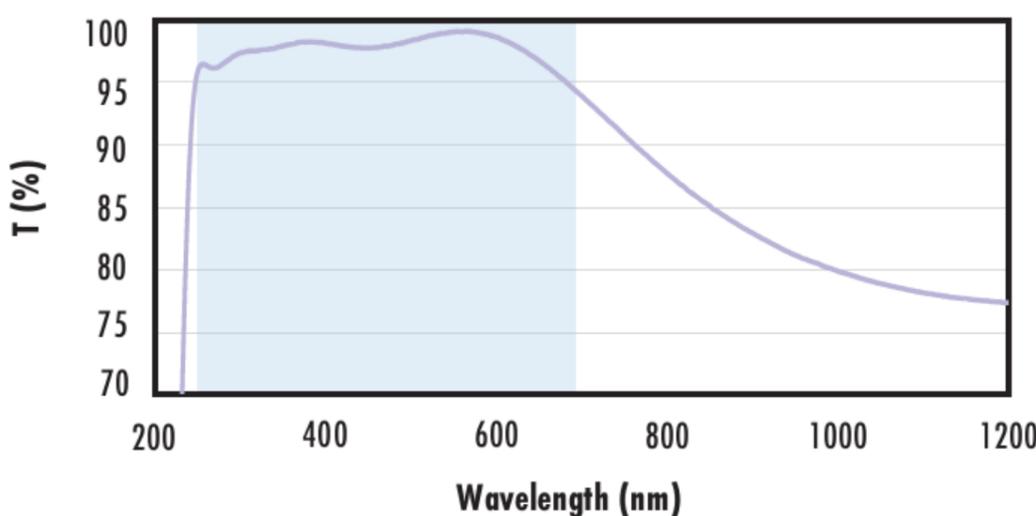
$$R_{avg} \leq 0.75\% @ 250 - 425\text{nm}$$

$$R_{avg} \leq 0.5\% @ 370 - 420\text{nm}$$

Data outside this range is not guaranteed and is for reference only.

[Click Here to Download Data](#)

### Fused Silica with UV-VIS Coating Typical Transmission



Typical transmission of a fused silica window with UV-VIS (250-700nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelength range, with the following specification:

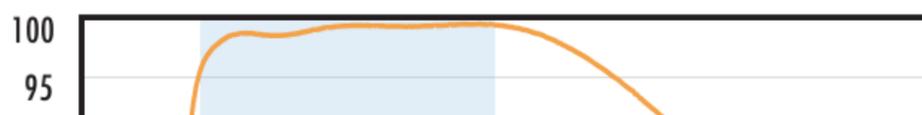
$$R_{abs} \leq 1.0\% @ 350 - 450\text{nm}$$

$$R_{avg} \leq 1.5\% @ 250 - 700\text{nm}$$

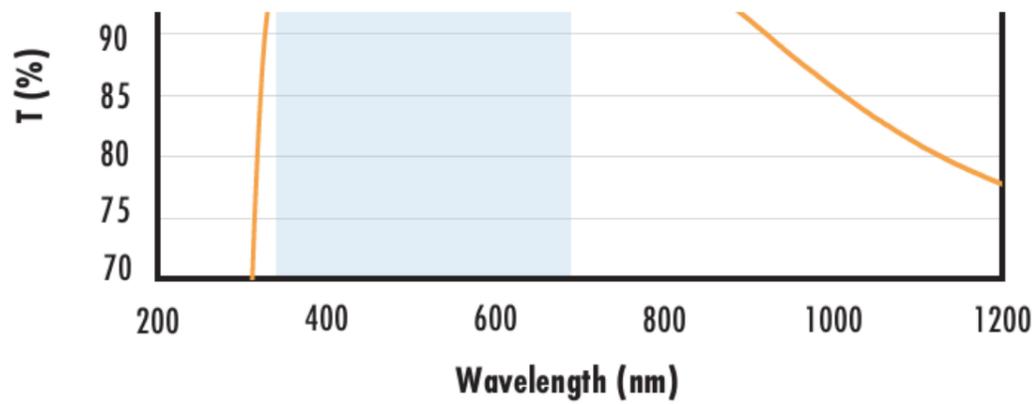
Data outside this range is not guaranteed and is for reference only.

[Click Here to Download Data](#)

### Fused Silica with VIS-EXT Coating Typical Transmission



Typical transmission of a fused silica window with VIS-EXT (350-700nm) coating at 0° AOI.



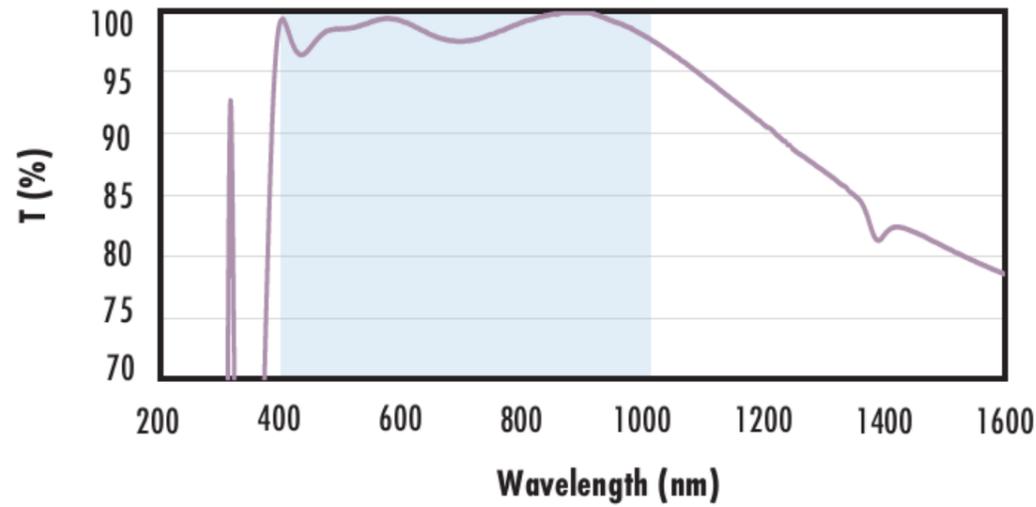
The blue shaded region indicates the coating design wavelength range, with the following specification:

$$R_{avg} \leq 0.5\% @ 350 - 700\text{nm}$$

Data outside this range is not guaranteed and is for reference only.

[Click Here to Download Data](#)

### Fused Silica with VIS-NIR Coating Typical Transmission



Typical transmission of a fused silica window with VIS-NIR (400-1000nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelength range, with the following specification:

$$R_{abs} \leq 0.25\% @ 880\text{nm}$$

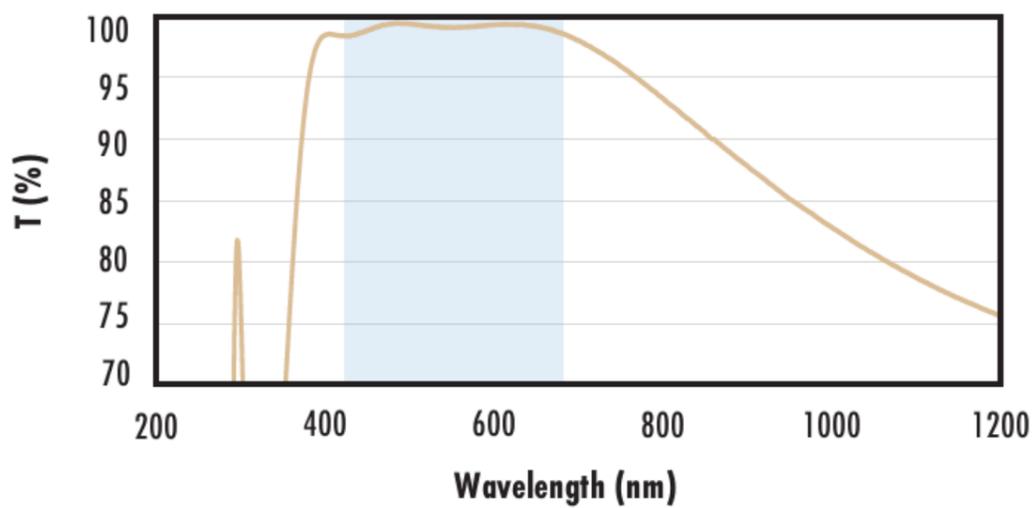
$$R_{avg} \leq 1.25\% @ 400 - 870\text{nm}$$

$$R_{avg} \leq 1.25\% @ 890 - 1000\text{nm}$$

Data outside this range is not guaranteed and is for reference only.

[Click Here to Download Data](#)

### Fused Silica with VIS 0° Coating Typical Transmission



Typical transmission of a fused silica window with VIS 0° (425-675nm) coating at 0° AOI.

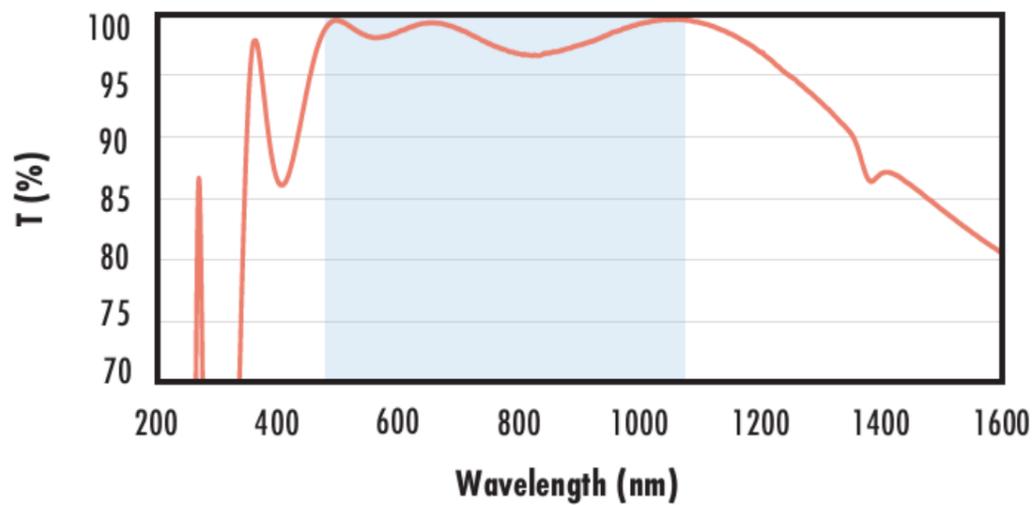
The blue shaded region indicates the coating design wavelength range, with the following specification:

$$R_{avg} \leq 0.4\% @ 425 - 675\text{nm}$$

Data outside this range is not guaranteed and is for reference only.

[Click Here to Download Data](#)

### Fused Silica with YAG-BBAR Coating Typical Transmission



Typical transmission of a fused silica window with YAG-BBAR (500-1100nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelength range, with the following specification:

$$R_{abs} \leq 0.25\% @ 532\text{nm}$$

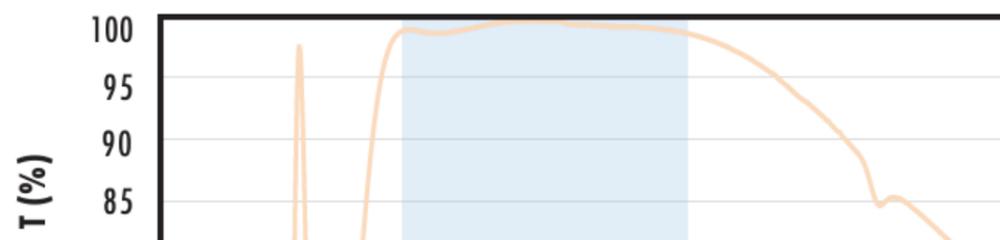
$$R_{abs} \leq 0.25\% @ 1064\text{nm}$$

$$R_{avg} \leq 1.0\% @ 500 - 1100\text{nm}$$

Data outside this range is not guaranteed and is for reference only.

[Click Here to Download Data](#)

### Fused Silica with NIR I Coating Typical Transmission

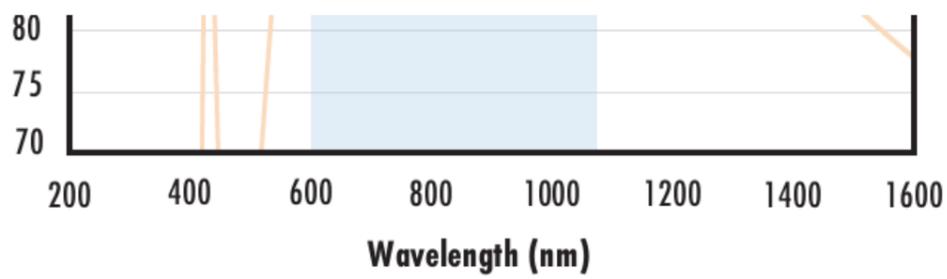


Typical transmission of a fused silica window with NIR I (600-1050nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelength range, with the following specification:

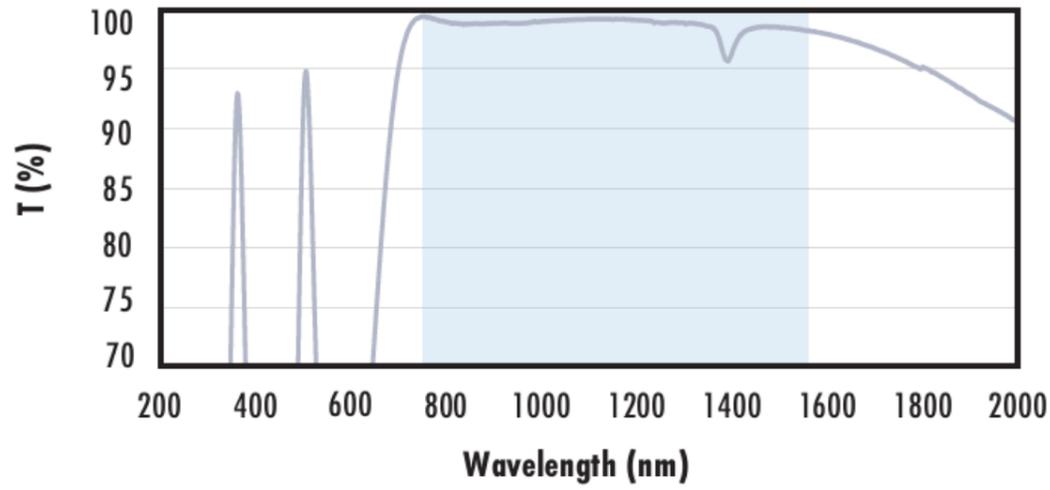
$$R_{avg} \leq 0.5\% @ 600 - 1050\text{nm}$$

Data outside this range is not guaranteed and is for reference



only.  
[Click Here to Download Data](#)

### Fused Silica with NIR II Coating Typical Transmission



Typical transmission of a fused silica window with NIR II (750 - 1550nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelength range, with the following specification:

$R_{abs} \leq 1.5\%$  @ 750 - 800nm  
 $R_{abs} \leq 1.0\%$  @ 800 - 1550nm  
 $R_{avg} \leq 0.7\%$  @ 750 - 1550nm

Data outside this range is not guaranteed and is for reference only.

[Click Here to Download Data](#)

## Kundenspezifische Produkte

Edmund Optics bietet einen umfangreichen kundenspezifischen Fertigungsservice für Optik- und Bildverarbeitungskomponenten an, speziell hergestellt für Ihre Anwendungsanforderungen. Wir ermöglichen flexible Lösungen für Ihre Bedürfnisse – von der Prototypenphase bis zur Serienfertigung. Unsere erfahrenen IngenieurInnen freuen sich auf die Zusammenarbeit und unterstützen Sie bei jedem Projektschritt.

Unser Service beinhaltet:

- Kundenspezifische Abmessungen, Materialien und mehr
- Hochpräzise Oberflächenqualität und -ebenheit
- Enge Toleranzen und komplexe Formen
- Skalierbare Produktion – vom Prototypen zur Serie

Erfahren Sie mehr über unsere [kundenspezifischen Fertigungsmöglichkeiten](#) oder senden Sie [hier](#) eine Anfrage.