DIOXID

Aerospace&Defence

www.dioxid.com.pl

ABOUT US

DIOXID Sp. z o.o. Is a company estabilished in 2008 r. located in Krosno, Podkarpackie Voivodeship, Poland. We offer our customers a wide range of services.

From the very beginning, our focus has been on delivering complete customer satisfaction and uncompromising quality in every part and service we provide.

Producing components of the highest standard is our top priority.

OUR GOAL AND MISSION

TO BE THE FIRST CHOICE IN THE AEROSPACE SUPPLY CHAIN

Family

An independently managed company run by its owners. The interests of the company take precedence over individual interests. This approach enables sustainable, profitable, and self-financing growth.

Improve

Continuous improvement and development of the company's offering ensure a leading market position with the best balance between performance and price

Respect

Respect for employees and managers
— we are aware of our responsibilities.
We act fairly and ethically toward our workforce at all levels.

Success

We deliver the highest efficiency to our customers.
We set the highest quality standards for ourselves and our partners.

Trust

Cooperation based on trust within the team — both management and employees. We make clear and fast decisions and take responsibility for all actions.

FOUR COMPANIES – ONE DRIVING FORCE

- 4 specialized companies from various industries
- Cooperation
- Financial stability

A DECADE OF THE COMPANY

2008

Company start-up

2011

Implementation of a Quality Management System in accordance with the requirements of ISO 9001:2008

Commencement of cooperation with Goodrich Aerospace Poland (Collins Aerospace)

2013

Update and implementation of the Quality Management System in compliance with the requirements of the AS9100 standard

Launch of polishing services and production of special tooling for Goodrich Aerospace Poland

2014

Certification of the Quality Management System in accordance with AS9100

Launch of the implementation of assembly and painting processes for aerospace components

2016

Achievement of NADCAP accreditation for the painting process

2017

Construction of a new facility dedicated to electroplating processes

2018

Achievement of NADCAP accreditation for electroplating processes

DIOXID

2019-2025

2019

Obtaining customer approvals: Boeing, Collins Aerospace, Pratt & Whitney, Parker Aerospace, Rolls-Royce

2021

Launch and approval of the grain etching process for P&W

Achievement of NADCAP accreditation for the FPI process

2022

Obtaining CPP approval for Honeywell

2023

Obtaining CPP approval for Baker Hughes

2024

Obtaining approval from Leonardo Helicopters for chromic acid anodizing and priming.

Obtaining GE Aerospace approval to perform FPI testing

2025

Commencement of CNC machining services

Installation of a passivation line

2026

PLANS FOR THE NEAR FUTURE

Implementation and start-up of the heat treatment process

Expansion of the machining department

Implementation and launch of the passivation process

Starting the Shot Peen process

DIOXID | CERTIFICATES

Bureau Veritas Certification

Certificate of Approval

This is to certify that the Quality Management System of:

DIOXID Sp. z o.o.

ul. Mięsowicza 4A, 38-400 Krosno, Poland

has been audited in accordance with the requirements of EN 9104-001:2013 by Bureau Veritas Certification and conforms to the following Quality Management Systems Standards detailed below

Standards

BS EN ISO 9001:2015

EN 9100 : 2018

(Technically equivalent to AS9100D)

Scope of certification

Machining, deburring, painting, plating, assembling and NDT testing of parts and subassemblie for aviation industry.

Certification Structure: Single Site

This certificate forms part of the approval identified by certificate number: PL015369

Original ASCS Approval: 07-11-2014

Certificate Issue Date: 06-11-2023

Certificate Expiry Date: 05-11-2026

Trevor William Douce
Authorised Signatory

ADS aerospace sector certification scheme

UKAS MANAGEMENT SYSTEMS 0009

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation.

Certification Body: Bureau Veritas Certification Holding SAS-UK Branch 5th Floor, 66 Prescot Street, London, E1 8HG, United Kingdom

1/1

DZiK-I-6611-103-1/21/B-042/2021/MB Warszawa, dnia 17.06. 2021 r.

MINISTER SPRAW WEWNĘTRZNYCH I ADMINISTRACJI

KONCESJA

Nr B-042/2021

Na podstawie art. 7 ust. 1 oraz art. 8 ust. 1 ustawy z dnia 13 czerwca 2019 r. o wykonywaniu działalności gospodarczej w zakresie wytwarzania i obrotu materiałami wybuchowymi, bronią, amunicją oraz wyrobami i technologią o przeznaczeniu wojskowym lub policyjnym (Dz. U. z 2020 r. poz. 1545)

u d z i e l a m

DIOXID
SPÓŁKA Z OGRANICZONĄ ODPOWIEDZIALNOŚCIĄ
KRS 0000320268, NIP 6842550862
z siedzibą: 38-400 Krosno, ul. Michała Mięsowicza 4A

Prezes Zarządu: **Pan Grzegorz Antoni MALINOWSKI**

Członek Zarządu: **Pani Gertruda Małgorzata MALINOWSKA**

– **uprawniona do kierowania działalnością gospodarczą objętą zakresem koncesji**

Pełnomocnik uprawniony do kierowania działalnością gospodarczą objętą zakresem koncesji:

Pani Aleksandra WIKTOROWSKA

k o n c e s j i
n a w y k o n y w a n i e d z i a ł a l n o ś c i g o s p o d a r c z e j w z a k r e s i e:

- **wytwarzania wyrobów o przeznaczeniu wojskowym lub policyjnym określonych w pozycji WT V ust. 1 – 5 (podzespoły do samolotów wojskowych) oraz obrotu wyrobami o przeznaczeniu wojskowym lub policyjnym określonymi w pozycji WT V (podzespoły do samolotów wojskowych) i obrotu technologią o takim przeznaczeniu określoną w pozycji WT XIII** Części IV – Rodzaje Wyrobów i technologii o przeznaczeniu wojskowym lub policyjnym – WT Załącznika do rozporządzenia Rady Ministrów z dnia 17 września 2019 r. w sprawie klasyfikacji rodzajów materiałów wybuchowych, broni, amunicji oraz wyrobów i technologii o przeznaczeniu wojskowym lub policyjnym, na których wytwarzanie lub obrót jest wymagane uzyskanie koncesji (Dz. U. z 2019 r. poz. 1888).

Miejsce wykonywania działalności: **38-400 Krosno, ul. Michała Mięsowicza 4A**

Czas ważności koncesji: **50 lat**

Data rozpoczęcia działalności: **data doręczenia koncesji**

0000922

Merit Merit Merit Merit

Nadcap Administered by PRI

This certificate is granted and awarded by the authority of the Nadcap Management Council to:

Dioxid Sp. z o.o.

Miesowicza 4a, Podkarpackie
Krosno , 38-400
Poland

This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in www.eAuditNet.com on the Qualified Manufacturer's List (QML), to the revision in effect at the time of the audit for:

Chemical Processing

Certificate Number: 12271237685
Expiration Date: 31 August 2027
Accreditation Length: 18 Months

Jay Solomond
Executive Vice President & Chief Operating Officer

Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527

Merit Merit Merit Merit

Nadcap Administered by PRI

This certificate is granted and awarded by the authority of the Nadcap Management Council to:

Dioxid Sp. z o.o.

Miesowicza 4a, Podkarpackie
Krosno , 38-400
Poland

This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in www.eAuditNet.com on the Qualified Manufacturer's List (QML), to the revision in effect at the time of the audit for:

NonDestructive Testing

Certificate Number: 12271230496
Expiration Date: 30 November 2026
Accreditation Length: 18 Months

Jay Solomond
Executive Vice President & Chief Operating Officer

Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527

DIOXID

PAINTING SERVICES

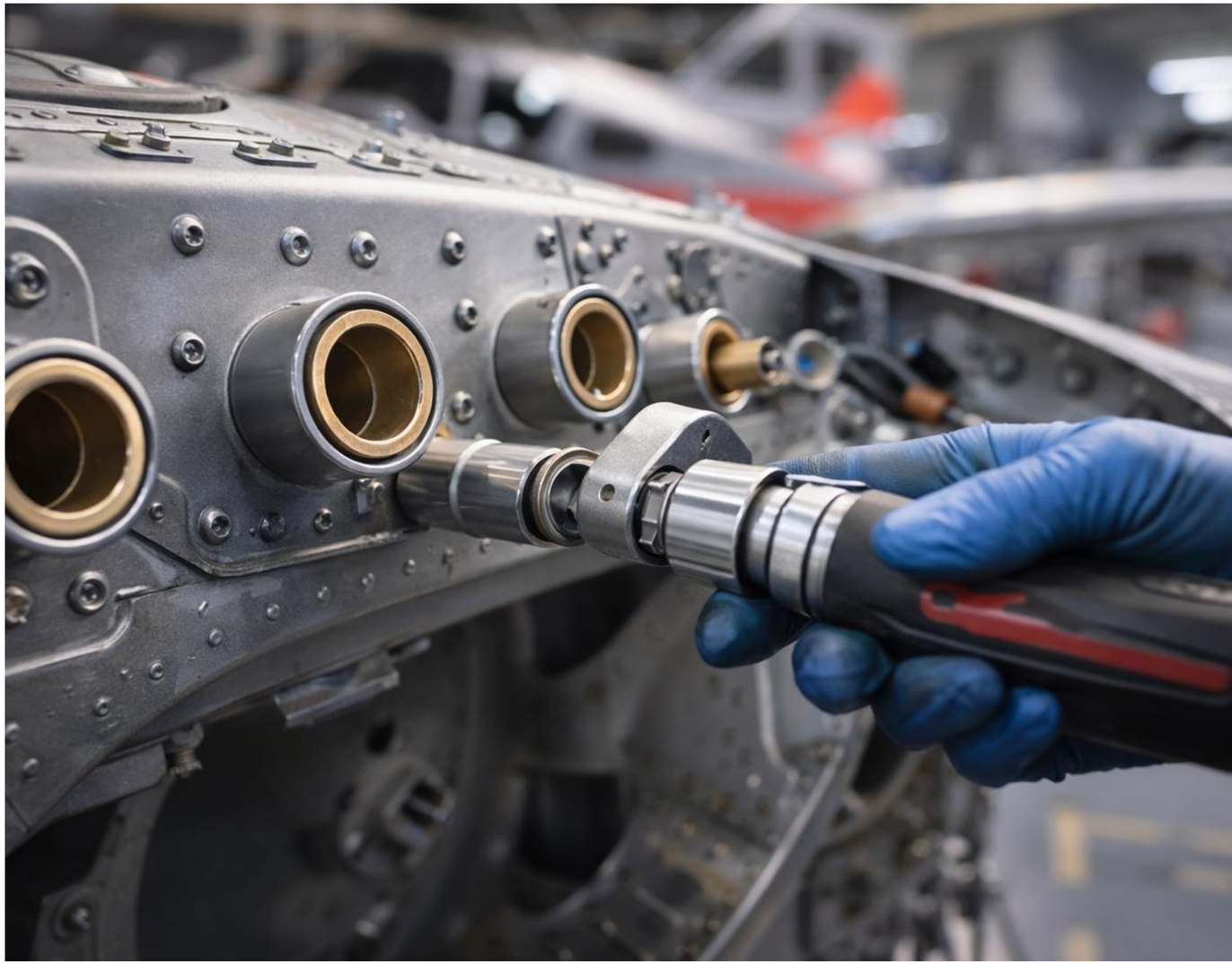
Painting services are performed in a purpose-built, modern production facility. The 1,000 m² facility is equipped with wet filtration, air conditioning, an evaporation tunnel, and a drying room.

Our paint shop, specially designed and constructed from the latest materials, is exceptionally safe and efficient. This not only guarantees the highest quality of production but also significantly reduces emissions of pollutants into the atmosphere during operation.

DIOXID

COMPONENT ASSEMBLY SERVICES

- Sealing the bushings with sealant
- Installing grease fittings on parts
- Installing the bushings
- Honing



DIOXID | DEBURRING

We specialize in deburring steel and titanium components.
We polish landing gear components for Boeing 777, Boeing 737, Gulfstream, and Airbus aircraft, among others.

DIOXID | MARKING

We also carry out the process of marking products using both impact and electrochemical methods.

DIOXID | MACHINING

We deliver the finished product from the purchase of raw materials through its processing to the final surface coating.

MACHINING

purchase of raw materials

steel, titanium, aluminum, chrome-nickel and others.

machining

CNC and conventional machining

special processes

surface coatings, NDT testing.

GALVANIC PROCESSES

Galvanic processes are performed in a newly built dedicated production shop equipped with semiautomatic production lines and own sewage treatment plant.

Processes Offered:	Thanks sizes:
Surfic Acid Anodizing	2475x735x1500mm
Hard Anodizing	2475x735x1500mm
Chromic Acid Anodizing	2475x735x1500mm
Conversion Coating	2475x770x1500mm

DIOXID | LABORATORY

To support electroplating production, the company has invested in a modern laboratory. The room is divided into two zones: one for chemical testing (e.g., bath testing), and the other, equipped with a microscope and a salt spray chamber, for metallurgical testing (e.g., corrosion resistance).

DIOXID | ETCHING OF NICKEL ALLOYS

In addition to anodizing tanks, the galvanic department also houses tanks designed for the pickling of nickel alloys. This section of our production facility is used for grain pickling of engine blades. This process requires specialized knowledge and experience in assessing grain quality.

DIOXID | NDT-FPI TESTS

We have an FPI line for non-destructive testing of aircraft components.

The system we currently use:
Type 1 Method A (water-washable), penetrant sensitivity level 3, Form A developer (dry powder).

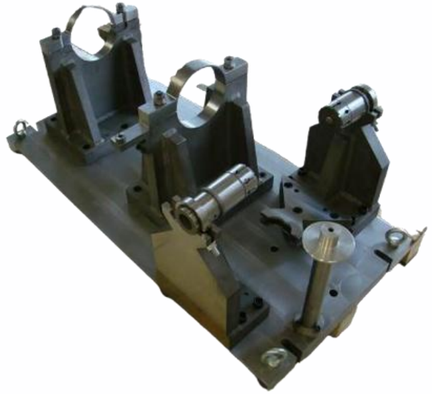
DIOXID | TOOLING

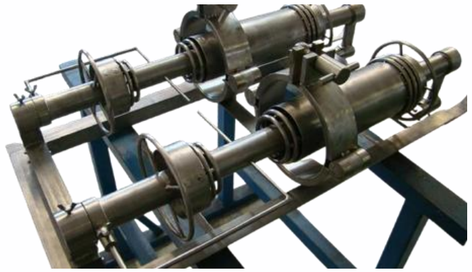
Our qualified engineering and technical staff allows us to produce precision tools for milling, turning, grinding, electroplating, hardening, auxiliary, alignment, and other applications.

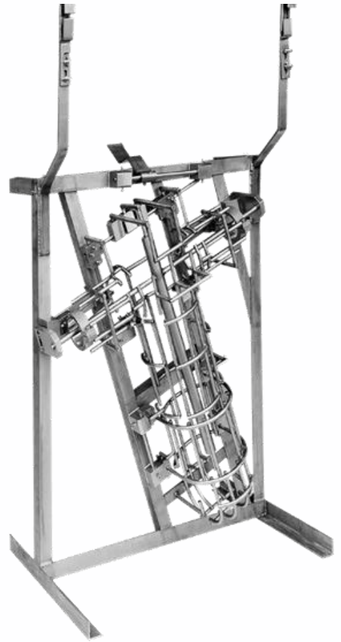
PRODUCTION OF TOOLS ACCORDING TO CUSTOMER DOCUMENTATION

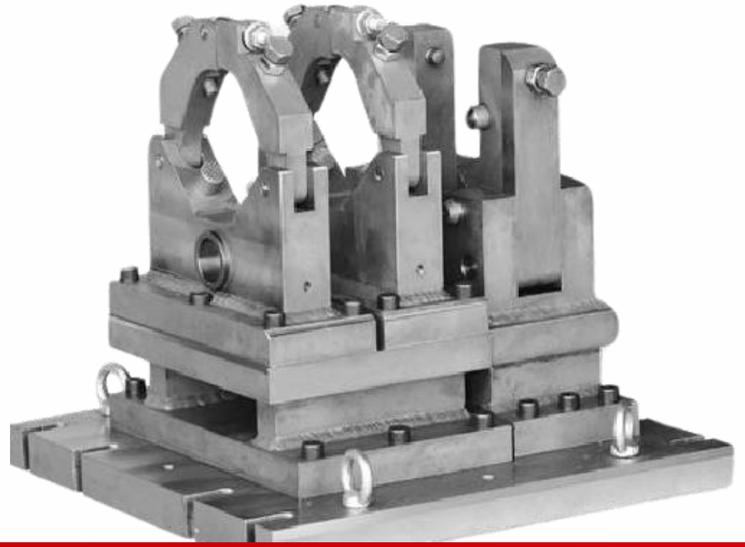
PRODUCTION OF TOOLS ACCORDING TO THE DIOXID PROJECT

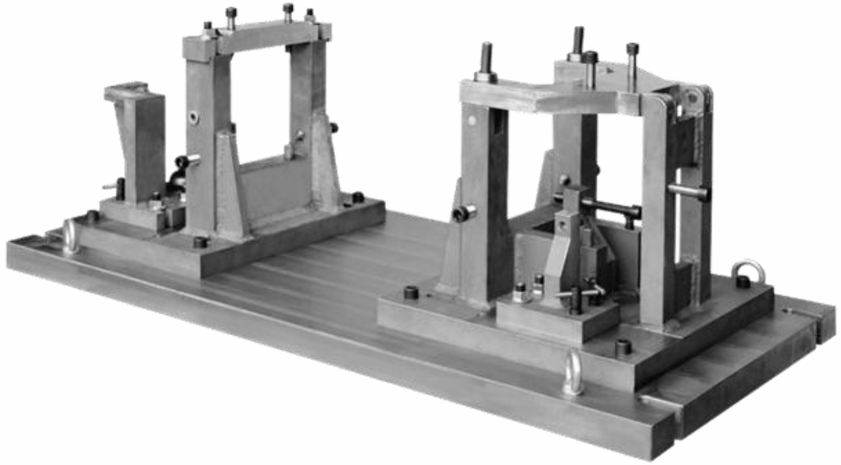
DIOXID | EXAMPLES OF TOOLING











DIOXID | CUSTOMER APPROVALS

Collins - Landing Systems

- AQS Quality System AS9100
- Brush cadmium plating per LGPS1102,
- Chromic acid anodizing per MIL-PRF-8625 TYPE I,
- Sulfuric acid anodizing per MIL-PRF-8625 TYPE 2,
- Hard anodizing per MIL-PRF-8625 TYPE 3
- Conversion coating [Alodine] per MIL-DTL-5541 TYPE I
- Paint Application per LGPS-1001, MIL-F-18264
- Stripping, as a subcontract per AC7108/14

Boeing

- Quality System AS9100
- Sulfuric Acid Anodize MIL-A-8625, TYPE II, CLASSE 1
- Hard anodizing per MIL-A-8625 TYPE III, BAC 5821 CLASSE 1 AND 2
- Chromic acid anodizing per BAC 5019 CLASSE 5
- Conversion coatings per MIL-DTL-5541 TYPE I OR 1, CLASSE 1A
- Brush cadmium plating per BAC5854
- Chemical Testing Process Solution Control
- Salt spray testing per ASTM-B-117

Collins – Hamilton

- Chromic acid anodizing per MIL-A-8625, MIL-PRF-8625, CPS1000, CPS1000-01, HS334
- Sulfuric acid anodizing per MIL-A-8625, MIL-PRF-8625, CPS1000, CPS1000-01, HS334
- Hard anodizing per MIL-A-8625, MIL-PRF-8625
- Conversion coatings per MIL-DTL-5541, HS240, PN14.12, PN14.15

GKN Aerospace

- Cleaning of metal surfaces per WAPS 09-02
- Identification marking of components per WAPS 21-01
- Application of cold curing epoxy primers & fillers per WAPS 26-01
- Application of flexible and abrasion resistant polyurethane paint per WAPS 26-02
- Anodic Oxidation of Aluminium and aluminium alloys in chromic acid perWAPS 41-06

DIOXID | CUSTOMER APPROVALS

Rolls Royce – Control Systems

- Aluminium Alloy Conversion Coating for Electronic Enclosures and Metalwork per HCP463
- Painting per HCP355
- Assembly per WP688

Parker Aerospace

- Sulfuric acid anodizing MIL-PRF-8625
- Thin Sulfuric acid anodizing MIL-PRF-8625
- Chromic acid anodizing MIL-PRF-8625
- Hard Anodizing MIL-PRF-8625
- Conversion coatings MIL-DTL-5541

PZL Świdnik –Leonardo

- Chromic acid anodizing AWPS003T
- Priming AWPS002V
- FPI per AWPS006X, AWPS009X

Pratt & Whitney Group

- Chromic acid Anodizing per AMS 2470
- Sulphuric Acid anodizing per AMS 2471, Alternatively permitted to also apply nickel acetate sealing
- Thin film sulphuric Acid Anodizing per CPW 755
- Hard Anodic Coating on Aluminum and Aluminum Alloys per AMS 2469
- Touch up per AMS 2473
- CPW20 Priming and painting (Code E,T,ET)

GE Aerospace

- QMS Approval
- FPI per P3TF2, P3TF47 and NAS410 – approval for Poland Plant

DIOXID

WE COOPERATE WITH

Pratt & Whitney
A United Technologies Company

GE Aerospace

ROLLS ROYCE

Collins Aerospace
A United Technologies Company

LEONARDO

BARNES AEROSPACE

HSW

WZE S.A.

McBRAIDA
AEROSPACE ENGINEERS

STEIN SEAL

AMAG
COMPONENTS

MECACHROME

CPP
Consolidated Precision Products

Thoni ALUTEC
CASTING THE FUTURE

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SCAN ME