



ROYAL
POLY PRODUCTS



Australia's Premier Pipeline Pig Manufacturer

62nd
**Australian
Export Awards**

2024 Winner - RoyalPoly Products **Emerging Exporter**

Royal Poly Products is pioneering Australian-made pipeline solutions designed for quality, innovation, and performance.

www.royalpolyproducts.com

About Us

Royal Poly Products is Australia's first pipeline pig manufacturer, proudly based in Jandakot, WA. Founded with a vision to create high-performance, Australian-made pipeline solutions, we are driven by our commitment to quality, innovation, and sustainability. Using locally sourced materials and collaborating with 95% Australian suppliers, we deliver world-class products that embody precision, durability, and the highest standards of craftsmanship.

Mission

Our mission is to support industries with cutting-edge pipeline technologies that ensure efficiency, reliability, and sustainability.

We stand for Australian excellence, bringing unmatched quality to every pipeline pig we produce.



What sets us apart

Australian-Made Quality

Every product from Royal Poly Products is crafted with precision and care, proudly made in Australia using local materials. Our focus on Australian manufacturing supports local jobs and promotes sustainable practices that benefit both our clients and the environment.

Innovative Engineering Solutions

Our dedication to R&D allows us to develop technologies like The Quokka™ Smart Foam Technology, which redefines pipeline pigging for enhanced cleaning, efficiency, and longevity. With advanced solutions tailored to your pipeline needs, we're setting new industry standards.

Customization & Flexibility

From dual-diameter pigs to custom density, length, and diameter options, we adapt our products to solve the unique challenges of every pipeline project. Whatever your requirements, Royal Poly Products has the expertise to deliver.

Industries We Serve

Royal Poly Products serves a diverse range of industries, including:

- **Oil & Gas:** Delivering advanced solutions to maintain integrity and cleanliness in oil and gas pipelines.
- **Water Treatment:** Providing essential tools for maintaining clean and efficient water treatment systems.
- **Food Processing:** Ensuring high standards of cleanliness for pipelines in the food and beverage industry.
- **Chemical Processing:** Supporting chemical industry with specialized solutions for safe, reliable pipeline operations.

Client Success Stories:

“ **Innovative Solutions for Complex Pipelines.** When a client in the oil and gas sector faced challenges with dual-diameter pipelines, RoyalPoly Products designed a custom pig that seamlessly navigated complex bends and variations by enhancing operational efficiency and reducing maintenance downtime, our solution provided significant cost savings and reliability for the client. ”

You are in Good Company



HALLIBURTON

ATCO

INPEX

Interflow
Leaders in Pipeline Renewal

Baker Hughes



Aseas



subsea 7

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Congratulations

Royal Poly
Products



Awards & Recognition

Royal Poly Products – Recognized for Excellence and Innovation

Royal Poly Products has been honoured with several prestigious awards and recognitions, reinforcing our commitment to excellence, innovation, and collaboration in the pipeline industry.

- **Australian Export Awards 2024 – Emerging Exporter of the Year**

In November 2024, Royal Poly Products was awarded the Emerging Exporter of the Year at the 62nd Australian Export Awards. This national recognition celebrates our rapid international growth and ability to deliver high-quality, locally manufactured pipeline solutions to the global market. Within just three years of developing our first commercially viable product and initiating exports in 2023, we achieved revenue growth exceeding 100%. Our dedication to product innovation and strong international partnerships has been pivotal in this success.

- **Western Australian Export Awards 2024**

At state level, Royal Poly Products was recognized as the Emerging Exporter of the Year at the 2024 WA Export Awards. This accolade acknowledges our significant contributions to Western Australia's export sector and our commitment to delivering high-quality, locally manufactured pipeline solutions to the global market. Additionally, we were finalists in the Small Business Category, acknowledging our rapid growth and market expansion.

More info: wa.gov.au

- **Subsea Energy Australia Awards 2024 – Finalist**

Our collaboration with Pacific Urethanes earned us a finalist position in the Industry Collaboration category at the Subsea Energy Australia Awards 2024, showcasing our innovative, Australian-made products tailored for the subsea sector. More info: pacificurethanes.com

- **Subsea Energy Australia Awards 2022 – Top 3 Finalist in Multiple Categories**

In 2022, we were ranked among the Top 3 finalists in three prestigious categories:

- Craig Black Award for Innovation & Technology – Recognizing our contributions to cutting-edge pipeline technologies.
- Industry Collaboration Award – Highlighting our efforts in fostering strategic partnerships to drive innovation.

These accolades reflect our unwavering dedication to excellence, innovation, and collaboration in the pipeline and subsea industries. We remain committed to delivering superior products and services to clients worldwide, ensuring that Australian manufacturing continues to thrive on a global scale.

Foam Pigs:

Reliable Pipeline Performance

Royal Poly Products' Foam Pigs are trusted for efficient pipeline cleaning, drying, batching, and product separation. Built from durable, open-cell polyurethane foam, our foam pigs navigate complex pipeline networks with ease, ensuring seamless operation and cost-effective maintenance.

Why Choose Our Foam Pigs?

- Built to Last: Premium, abrasion-resistant foam for long-term reliability.
- Flexible Design: Handles tight bends and multi-diameter pipelines effortlessly.
- Perfect Seal: Coated rear maximizes pressure, preventing contamination.
- Cost-Effective: High performance, low maintenance costs.

Available Types & Sizes

- Densities: Choose from low (26-28 kg/m³) for gentle cleaning, intermediate (35-40 kg/m³) for light-to-medium duty, medium (80 – 112 kg/m³) for standard tasks, and high (128 – 160 kg/m³) for abrasive cleaning and debris removal.
- Sizes: Standard 2"-60" and custom diameters and lengths.



Configurations

- Bare ● Criss Cross ● Fully Coated
- Spiral/ Criss Cross Wire Brush Pigs
- Total Wire Brush pigs ● Silicon carbide

with custom add-ons like pulling ropes | transmitter cavities | double dish & many more

Applications

- Ideal for cleaning, dewatering, wax removal, product separation, pre-commissioning, and blockage clearance.

Reach out to learn how our foam pigs can elevate your pipeline maintenance!

Sales@royalmechgroup.com

Bidirectional Pigs:

Durable Solutions for Challenging Pipeline Environments

Royal Poly Products' Bidirectional Pigs are engineered to handle tough pipeline conditions, providing resilient and versatile solutions for cleaning, product separation, and pipeline integrity checks across industries such as oil & gas, water treatment, and chemical processing. Built with a solid steel frame, they can withstand high pressures and handle thick scale deposits, offering unmatched durability for critical maintenance tasks.

Types and Configurations

- **Disc Pigs:** Ideal for cleaning, product separation, and occasional pipeline integrity checks. Available in configurations like Standard, High Seal and Long Run Pigs to suit your specific operational needs.
- **Disc Gauging Pigs:** Designed to detect internal obstructions, dents, and deformations, ensuring pipeline integrity. Commonly used for pre-inspection runs and post-construction checks.
- **Disc Brush Pigs:** Equipped with both scraping discs and brushes, these pigs offer a more aggressive cleaning solution, effectively removing wax, scale, and corrosion.

Available Sizes

Standard sizes ranging from 2" to 60" with customization options to fit specific pipeline requirements.

Applications

- Pipeline Cleaning and Maintenance: Scrapes off debris, wax, scale, and other deposits to keep pipelines clear and efficient.
- Product Separation: Essential for separating different fluid batches, minimizing mixing, and maintaining product purity.
- Dewatering and Drying: Removes residual water after hydrotesting to prevent corrosion.
- Pipeline Integrity Checks: Detects physical obstructions or deformations for pre-inspection and post-construction validation.

Additional Options

Available in add ons such as engineered lifting points, transmitter cavities and various seal and guide designs optimised to pipeline geometry and inline features.

Contact us to explore how our bidirectional pigs can enhance your pipeline operations and improve efficiency!

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Cup Pigs:

Versatile Pipeline Cleaning and Separation

Royal Poly Products' Cup Pigs are effective tools for pipeline cleaning, product separation, and liquid removal. Made from flexible polyurethane cups, they create a strong seal against pipeline walls, smoothly pushing out debris and liquids for efficient cleaning and drying.

Types and Configurations

- 3 Cup Pig & 4 Cup Pig: For general-purpose cleaning and enhanced debris removal.
- 2 Cups with Support Discs: For added stability and flexible use.
- Brush Pigs (Carbon Steel, Stainless Steel, Nylon Wire): For tougher cleaning applications where, additional scrubbing is required.



Available Sizes

Standard sizes ranging from 2" to 60" with customization options to fit specific pipeline requirements.



Applications

- Pipeline Cleaning & Debris Removal: Clears dirt, deposits, and wax in oil, gas, and water pipelines.
- Product Separation: Prevents fluid mixing in multi-product pipelines, maintaining product quality.
- Water and Liquid Removal: Ideal for drying pipelines after hydro testing, preventing corrosion.
- Low-Pressure Pipelines: Works well in pipelines with lower pressure requirements.

Best suited for separation of products, pipelines with tight bends and varying pipe schedules. Contact us to find the right configuration for your pipeline maintenance needs!

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Solid Cast Pigs:

Reliable, Durable Pipeline Maintenance

Royal Poly Products' Solid Cast Pigs are single-piece polyurethane pigs designed for tough, high-wear environments, offering effective solutions for pipeline cleaning, product separation, and corrosion inhibition. With their robust construction, they excel in demanding applications, delivering consistent performance with minimal maintenance.

Available Configurations

- 3 Cup Pig: Ideal for general cleaning, liquid removal, and product separation, providing a secure seal with three flexible cups.
- 4 Cup Pig: Enhanced sealing for greater debris removal, suited for extended pipeline runs.
- Disc Pig: Versatile and effective for regular cleaning and product separation, maintaining consistent contact along the pipeline.



Applications

- Perfect for routine cleaning, high-wear environments, product separation, and corrosion inhibition, particularly in low to medium-pressure pipelines.
- Solid Cast Pigs offer durable, low-maintenance performance across a range of pipeline conditions. Reach out to find the best configuration for your operations!

Contact us to find the right solid cast pig for your pipeline maintenance needs!

Sales@royalmechgroup.com

Dual Diameter Pigs:

Versatile Solutions for Variable Pipeline Sizes

Royal Poly Products' Dual Diameter Pigs are specially designed to handle pipelines with varying diameters, providing a seamless solution for cleaning, dewatering, and product separation in multi-diameter systems. Constructed with flexibility and durability in mind, these pigs adjust to pipeline size changes, maintaining a secure seal and consistent contact throughout.

Types of Dual Diameter Pigs

- Dual Diameter Foam Pigs: Lightweight and highly adaptable, ideal for gentle cleaning and dewatering in pipelines with smaller diameter differences.
- Dual Diameter Brush Pigs: Equipped with wire or nylon brushes, these pigs offer more aggressive cleaning for pipelines that require debris and scale removal across varying diameters.
- Dual Diameter Cup Pigs: Featuring flexible polyurethane cups, these pigs maintain a strong seal even in pipelines with significant diameter variations, ensuring efficient product separation and liquid displacement.



Applications

- Dual Diameter Pigs provide the versatility needed to navigate complex pipeline systems, making them a valuable asset in industries like oil & gas, water treatment, and chemical processing.

Contact us to find the ideal dual diameter pig for your pipeline needs!

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Pigability Studies and Trials

At Royal Poly Products, we offer specialized Pigability Studies and Trials to ensure your pipeline is ready for safe, efficient pigging. With over 50 years in pipeline pigging, we provide end-to-end solutions that maximize pipeline integrity, safety, and operational efficiency.

Pigability Studies: Assessing Pipeline Readiness

Our studies evaluate:

- Pipeline Design: Ensuring smooth pig navigation through bends and diameter changes.
- Material Compatibility: Selecting pigs that protect both pipeline and pig.
- Flow Conditions: Matching pigs to your pipeline's pressure, fluid, and temperature needs.
- Obstruction Identification: Detecting and addressing debris or corrosion.
- Launch Systems: Ensuring safe, efficient pig launching and receiving.



Pigability Trials: Verifying Performance

- Controlled trials confirm pipeline readiness, minimizing risks and optimizing pig selection for flawless operations.
- As Australia's first pipeline pig manufacturer, Royal Poly Products delivers proven expertise for both new and existing pipelines. Contact us to learn how we can support your pigging needs with precision and confidence.

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Quality Assurance & Certifications

As an **ISO 9001-certified company**, Royal Poly Products is dedicated to upholding the highest standards of quality and safety. Each product undergoes rigorous testing and quality control processes, ensuring it performs reliably in even the toughest conditions. Our commitment to quality assurance gives our clients confidence in every Royal Poly Products solution.



Sustainability Commitment

Royal Poly Products prioritizes sustainability, using locally sourced materials and working with Australian suppliers. Our approach reduces our carbon footprint and supports local industries, while our innovative manufacturing practices focus on creating durable, long-lasting products that minimize waste. We are proud to lead by example, promoting sustainability throughout our industry.



Contact Us

Ready to learn more about how Royal Poly Products can meet your pipeline needs? Reach out to our team:

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Experience the Strength of Australian-Made Pipeline Solutions
Pioneering excellence in pipeline integrity, backed by
quality, innovation, and performance.

