BREAKOUT UNIT TORQUE MACHINEHigh Performance. Unmatched Precision.

EMPOWERING FAST PRECISE OPERATIONS



Introduction _

Discover the next generation of torque operations. Our Breakout Unit/Torque Machine is engineered for high-torque wrenching and spinning, delivering superior performance and reliability on every job. Designed to maximize efficiency and safety, this innovative machine transforms your operations by reducing downtime and increasing productivity.

Key Benefits at a Glance:

- Fast & Efficient Makeup/Breakout: Operates at 100 RPM for rapid connection handling.
- Accurate Measurement: Integrated sensors and control systems ensure precision.
- Comprehensive Documentation: Automatic PDF reports and on-site printing keep your records up-to-date.

Visual Suggestion:

Insert an image of the unit in an operational setting to illustrate its impact.

Equipment Specifications

Description	DZZR-V3510	DZZR-V3515A	DZZR-V3515C	DZZR-V3518
Headstock OD Range	10 in.	15 in.	18 in.	13 in.
Tailstock OD Range	10 in.	15 in.	15 in.	13 in.
Clamping cylinders	4	6	6	6
Max make-up torque	130,000 ft-lbs	155,000 ft-lbs		160,000 ft-lbs
Max break-out torque	130,000 ft-lbs	175,000 ft-lbs		199,000ft-lbs
Spinner torque	2,950 ft-lbs	3,300 ft-lbs		4,000 ft-lbs

Bed Length

Our standard bed length is 18 feet, with custom options available in 12', and 19.7' to meet different space and tool handling needs.

Extension Beams

Heavy-duty extension beams can be bolted to either side of the bed, supporting hydraulic support jacks and push/pull assemblies for easier handling and reduced manual effort.





Hydraulic Support Jacks

These console-operated jacks raise and lower the workpiece with smooth roller movement along the extension beam. Each unit includes up to four (4) jacks for larger models and three (3) jacks for compact models.

Hydraulic Push/Pull Assembly

This system inserts or removes rotors from stators with precise axial force, featuring a 48" stroke cylinder (63,000 lbf push / 40,000 lbf pull) or a 36" stroke cylinder (20,000 lbf push / 12,000 lbf pull). It can be tilted out of the way when not in use.





Hose Chain Protection

Available in metal or plastic, the hose chain system keeps hydraulic hoses organized and protected, preventing wear and reducing tripping hazards.

High Torque Capacity:

Our machine boasts wrenching and spinning capabilities up to 210,000 ft-lbs, ensuring you can handle even the toughest jobs with ease. This high torque capacity leads to faster operations and improved efficiency.





Enhanced Torque and Spinning Features:

Breakout units achieve fast and precise makeup and breakout at 100 RPM, minimizing connection time and maximizing efficiency. This high–speed operation reduces downtime and boosts productivity, ensuring seamless handling of threaded connections.

Advanced Torque Control System and User Interface

Advanced Torque Control System and User Interface



Touch Screen Control System

The torque control system is designed with a 15-inch touch screen display, providing an intuitive interface for monitoring and adjusting settings in real-time. The large display ensures clear visibility of torque values, operation status, and system notifications, while the accompanying keyboard and mouse allow for manual input when needed.

Benefits of the Touch Screen System:

- High-resolution display for real-time data tracking.
- Multi-touch capability for easy zooming and scrolling.
- Physical keyboard and mouse for alternative input methods.





Pointer Torque Gauge for Backup & Dual-Mode Torque Measurement

In addition to digital monitoring, our system includes a high–precision pointer torque gauge, ensuring operational redundancy in case of computer failure. This gauge allows operators to reference torque values manually and continue operations without disruption.

Low Torque & High Torque Division:

Low Torque Gauge:

- Obesigned for low-pressure monitoring, ensuring accurate readings in the early stages of make-up.
- Automatically returns to zero when the system pressure reaches 900 PSI, preventing incorrect readings.

High Torque Gauge:

- Ocontinuously displays pressure and torque values, ensuring precise control throughout the process.
- Allows manual verification of torque levels in case of sensor or computer issues.

This dual-measurement approach enhances reliability by providing a physical backup in case of system malfunctions, ensuring uninterrupted operation in all conditions.





Load Cells for Precise Torque Calculation

Ш

To achieve the highest accuracy in torque measurement, our system utilizes high-sensitivity load cells to measure force applied during make-up and break-out. These digital weighing sensors communicate with the computer in real time to calculate the exact torque value based on lever arm length.

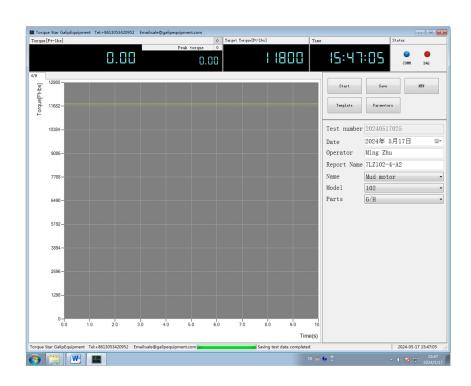
Automated Torque Control & Smart Operation

One of the standout features of our torque control system is its fully automated torque application. The system is programmed to apply precise torque levels and stop automatically once the target torque is achieved.

• How it Works:

- OThe operator sets the target torque in the system interface.
- OThe system continuously monitors torque levels during the make-up process.
- Once the pre-set torque value is reached, the system automatically stops loading.
- OAn on-screen prompt confirms completion, ensuring accurate and repeatable results.

This automated stop function prevents overloading and eliminates the need for manual torque adjustments, improving efficiency and consistency across all operations.



Advanced Computer Interface with Customization Options

Ш

The system interface provides full control over operations, reports, and data management, ensuring ease of use with drop-down menus for quick tool and connection configuration.

Key Features:

- Operator & Report Management –
 Operators can input names and report titles for documentation and traceability.
- Tool & Connection Selection –

 Drop-down menus allow quick selection of tool types, connection components, and settings.
- Customization & Editing –
 Operators can modify, add, or delete tool configurations, rearrange components, and manage serial numbers.
- Real-Time Torque & Curve Display –
 Instantly visualize torque data and performance curves for real-time monitoring.

This intelligent interface minimizes errors and ensures consistent and precise torque application.

Automated PDF Report Generation & Data Storage

Automated PDF Report Generation & Data Storage

Ш

The system automatically generates PDF reports for each torque operation, ensuring complete documentation and quality control.

Key Features:

- Automatic Report Generation –
 Saves torque data, curves, and operator details without manual input.
- Unique Serial Numbering Each report is assigned a unique serial number for tracking and verification.
- Editable & Organized Storage –
 Reports are saved in Disk D's root directory, with options to rename for easy retrieval.

This automated reporting system streamlines compliance, audits, and quality assurance processes.



Call to Action & Contact Information

Ready to Transform Your Operations?

Experience the future of torque operations with our state-of-the-art Breakout Unit/Torque Machine. Join the growing number of clients who have upgraded their systems for better efficiency, safety, and reliability.

Contact Us:

Phone: [Your Phone Number]

• Email: [Your Email Address]

Website: [Your Website URL]

Testimonials:

"This machine revolutionized our workflow and increased our productivity dramatically."

- Satisfied Customer

Visual Suggestion:

Insert your company logo and a final, inspiring image of the machine in action. This can also include a background image that reinforces your brand identity.

Service Offerings:

- Installation & Commissioning: Complete on-site setup of new equipment, including proper installation, alignment, initial calibration, and operator training to get you up and running smoothly.
- Preventive Maintenance & Calibration: Scheduled maintenance programs and calibration services to keep your units running at peak performance. Regular inspections and tune-ups help avoid downtime and ensure accuracy and safety standards are maintained.
- Repairs & Spare Parts: Prompt repair services by qualified technicians to minimize downtime in case of equipment issues. We supply genuine spare parts and can quickly replace worn or damaged components, restoring your equipment to full functionality.
- Equipment Refurbishment: Life-extension solutions for older or heavily used units. Galip offers refurbishment and upgrade services—over-hauling mechanical and hydraulic systems, updating control consoles, and retrofitting new technology—so your equipment continues to meet evolving demands.
- Technical Support: Ongoing support via phone or online consultation to assist with troubleshooting and usage optimization. Our experts are on call to answer questions, provide guidance, and ensure you get the most out of your Galip equipment.