



## Conversion Kit® for Komatsu Dozer D375A-6



### WHAT DOES THIS LOGO MEAN?

After extensive review of the simulation industry, Komatsu entered into a license agreement with Immersive Technologies in 2006 (Renewed in 2011).

Komatsu exclusively allows Immersive Technologies to use its proprietary machine information to ensure its simulators are engineered to the highest fidelity and realism.

As part of this agreement Komatsu exclusively recommend Immersive Technologies' Advanced Equipment Simulators to Komatsu dealers and mining customers worldwide.

## Increase operational safety and productivity while reducing your maintenance spend

Immersive Technologies' Conversion Kit development for the Komatsu D375A-6 Dozer provides the ultimate in training realism for mines focused on increasing operator safety, improving productivity and reducing levels of unscheduled maintenance.

The Conversion Kit includes a complete replica cab of the Komatsu D375A-6 Dozer, with fully functional controls and instrumentation sourced directly from Komatsu.

Original Equipment Manufacturer and industry endorsed D375A-6 operating procedures are tightly integrated with an extensive learning system within the Advanced Equipment Simulators. This system has been repeatedly demonstrated via evidence collected from within mining operations to provide rapid, correct and effective learning and assessment.



*Accurate operational characteristics using technology and proprietary data licensed from Komatsu*



*Conversion Kit utilizes genuine Komatsu cab controls and instrumentation*

# Simulation Delivering Safety & Productivity

## D146 Conversion Kit for Komatsu Dozers

Immersive Technologies' D146 Conversion Kit provides the ultimate in training realism for mines focused on increasing operator safety, improving productivity and reducing levels of unscheduled maintenance.

The Conversion Kit includes a complete replica cab of the Komatsu D375A-6, with fully functional controls and instrumentation sourced directly from Komatsu. The D146 provides accurate and realistic dozer operation with the ability to complete a comprehensive range of task-based training activities including bulk push, windrow clean-up, shovel clean-up, slot-dozing and paddock dump.

Various on-screen visual assistants are selectable to support and accelerate the training process, covering task time, blade load, current slope and target grade indication. Training scenario metrics feed into SimMetrics to enable trainers to measure operator performance areas such as time and accuracy.



*Komatsu OEM Display*



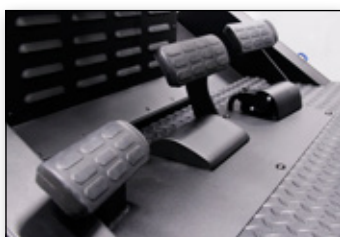
*Machine Monitor Keypad*



*Direction and Gear Control*



*Blade Control Lever*



*Control pedals*

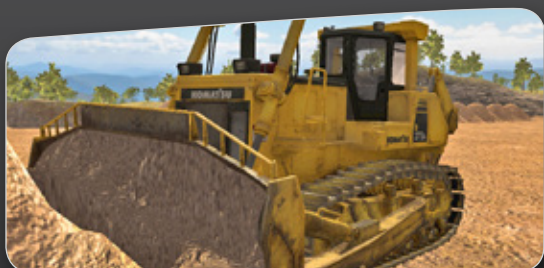


*Machine lock levers*



Conversion Kit: D146  
Released: March 2013

*NB: Seat & Base not included.*



Dozing Skills



Ripping Skills



Startup/Shutdown P



CONVERSION KIT® COMPATIBLE WITH  
 Advanced Equipment Simulator  
**PRO3**  
 DESIGNED FOR SURFACE MINING  
 AES Series 2, AES Series 2B

## Innovative Simulator Training Software



**SimControl**  
 IMMERSIVE TECHNOLOGIES

Immersive Technologies' SimControl software includes a range of specific Komatsu D375A-6 operator errors for recording and measuring incorrect operator behaviours. In addition, the SimControl software includes Komatsu D375A-6 events which allow a trainer to initiate machine faults and incidents in order to train and assess operators in responding appropriately. This combination of errors and events provide a mechanism to ensure operators are working at maximum efficiency while minimising equipment damage. It also ensures operators are able to avoid or respond correctly to hazards and potentially life threatening scenarios.

Operator errors and events include a focus on the following areas:

- Hazard Avoidance
- Engine Management
- Gear Management
- Operator Productivity
- Minimizing Unscheduled Maintenance
- Site Safety Procedures



## Komatsu Supported Development

Developed in collaboration with Komatsu's Product Engineering, the D146 Conversion Kit combines machine specific technical data exclusively licensed to Immersive Technologies by Komatsu.



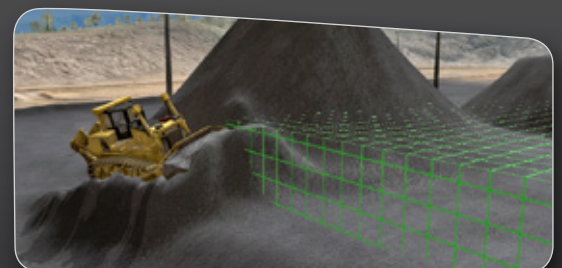
With mining equipment becoming increasingly technically sophisticated, the level of information required to accurately simulate the machines also increases. Through Immersive Technologies' exclusive alliance with Komatsu, you can be assured your product is the most accurate and true representation of the real machine.



procedures



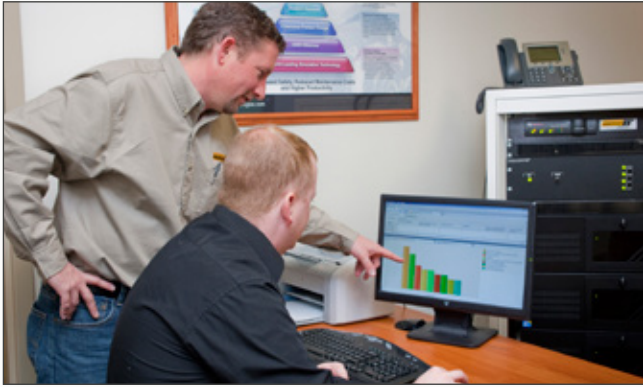
Safe Operating Procedures



On-screen Visual Assistants

# Simulation Delivering Safety & Productivity

## D146 Conversion Kit for Komatsu Dozers



### Transforming data to information

SimMetrics™ is a powerful reporting system that helps you review, measure and visualize your simulation data. With an intuitive click-and-drag user interface, you don't need to be a programmer to quickly generate detailed reports on the results of your training.

SimMetrics Benefits:

- Operator and crew benchmarking
- Trending analysis of operator performance
- Early identification of equipment misuse and damage
- Recording of emergency scenario training results
- Enables comparative analysis against site in-pit results.



### Support where and when you need it

You purchase the world's best mining simulation to get the job done. Immersive Technologies provides you the support and peace of mind to make sure your simulator achieves this goal.

Our customers receive a range of comprehensive support services:

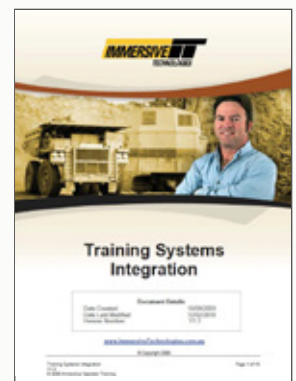
- 24hr phone support
- Rapid emergency visits
- Scheduled on-site service
- Regular maintenance support
- Hardware and software upgrades
- Extended parts warranty
- Best practice training and community networking.

Contact Immersive Technologies today to discuss which of our five year Customer Support Programs best suits your sites' requirements.

### Training Systems Integration for Komatsu Dozers

The success of your simulator training depends largely on the knowledge and application of the technology. Immersive Technologies offers on-site and customized consultation programs to assist mines to rapidly integrate their simulator technology, implement training program best practices and achieve maximum return on investment.

Immersive Technologies application specialists work closely with you to develop a customized Komatsu Dozer training curriculum, including the development of detailed performance based benchmarks and reporting systems tailored to your site's specific objectives.



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