



## Conversion Kit® for Komatsu Mining Trucks HD785-7



### 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 recommends 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 HD785-7 Mining Truck 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 HD785-7 Mining Truck, with fully functional controls and instrumentation sourced directly from Komatsu.

Original Equipment Manufacturer and industry endorsed HD785-7 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.

With mining equipment becoming increasingly technically sophisticated, the level of information, experience and organizational competencies required to accurately simulate these machines also increases. Through Immersive Technologies' industry experience and exclusive alliance with Komatsu, you can be assured your training solution will be the only accurate and true representation of the real machine available.



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



*Conversion Kits® utilize genuine Komatsu cab controls and instrumentation*

# Simulation Delivering Safety & Productivity

## T135 Conversion Kit<sup>®</sup> for Komatsu HD785-7 Mining Trucks

Immersive Technologies' T135 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 HD785-7 mining truck, with fully functional controls and instrumentation sourced directly from Komatsu.

These include an operational in-dash LCD unit which provides operators information on a wide range of vital machine functions including payload and action code display, as well as featuring genuine Komatsu switch panels, gear shift, dump lever and pedals.



Genuine HD785-7 dash including Komatsu steering wheel, engine tachometer, speedometer and LCD unit



Fully functional switch panel and indicator lamps



Gear Shift lever, lock and Park Brake switch



Dump lever and lock control



Accelerator, Service Brake and Secondary Brake layout matches real machine



Conversion Kit: T135  
Released: December 2011

*NB: Seat & Base not included.*



Loading Scenarios



Dumping Scenarios



Site Specific Procedures



## Innovative Simulator Training Software



**SimControl**  
IMMERSIVE TECHNOLOGIES

Immersive Technologies' SimControl software includes a range of specific Komatsu HD785-7 operator errors for recording and measuring incorrect operator behaviours. In addition, the SimControl software includes Komatsu HD785-7 events which allow a trainer to initiate a machine fault or incident to train and assess an operator on how to respond 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
- Operator Productivity
- Minimizing Unscheduled Maintenance
- Tire Preservation
- Site Safety Procedures



## Komatsu Supported Development

Developed together with Komatsu's Product Engineering, the T135 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.



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Hazard Identification



Safe Operating Procedures

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### 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 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:

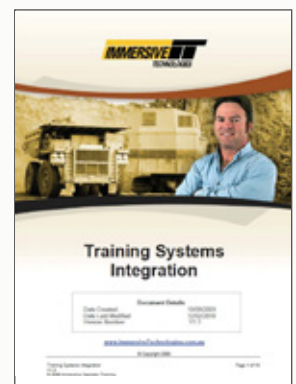
- 24hr phone support
- Rapid emergency visits
- Scheduled on-site service
- Regular maintenance support
- Hardware and software upgrades
- Extended parts warranty
- Best practice training and community networking.

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

### Training Systems Integration for Komatsu Mining Trucks

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 training consultants work closely with you to develop a customized Komatsu Mining Truck training curriculum, including the development of detailed performance based benchmarks and reporting systems tailored to your site's specific training objectives.



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