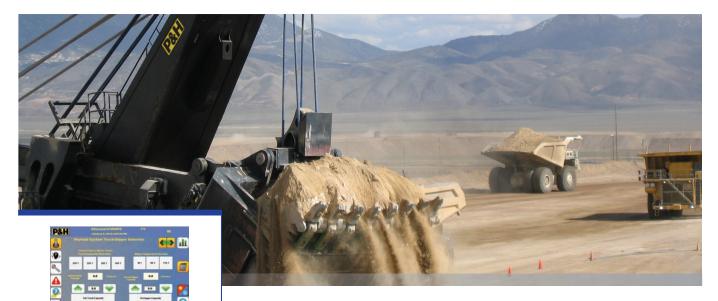# KOMATSU

Payload 2

Payload 2 can be ordered as a retrofit upgrade on
P&H shovels with an updated Centurion control system.

Optimize Production

- Optimize truck loading

- Help operators hit truck target weight every time
  with real-time load weight information

- Reduce both shovel and truck structural damage
  and maintenance concerns caused by overloads

- Reduce risk of dangerous and costly spillage on haul roads

- Save production time by eliminating time-consuming manual
  calibration process — all done continuously and automatically

- Maintain usability in case of primary sensor
  loss with the backup load estimator

Description

Every truck has its own optimal target load at which you maximize
profit and minimize cost. Underloading trucks severely undermines your
productivity. On the other hand, overloading trucks can be costly due to
increased maintenance, early tire failure, increased fuel consumption,
spillage, or even rejected loads.

Payload 2 allows your operators to optimize the loading process by
providing highly accurate, real-time weight of the material in the dipper —
within 5% of a scale measurement is typical.

Shovel Technology Panel

Payload 2 is built on the new shovel technology panel, which allows for
integration of the Adaptive Controls 2, Payload 2, and Track Shield 2
options into a single hardware platform. All options are sold separately
and are completely independent of each other. This means that whatever
combination of technologies you choose, you only need one panel installed
on your shovel.

P&H

Key production metric tracking

Payload 2 supplies the operator and Remote Health Monitor with much more than just the material weight:

- Current and previous dipper payload
- Trended dipper payloads
- Current truck loading time
- Current deviation from target
- Current truck accumulated load
- Current cycle time
- Swing angle
- Total tons this shift
- Tons per hour of operation this shift
- Average truck loading time this shift
- Average truck tons this shift
- Average cycle time this shift

For more information, contact a local Komatsu Mining representative or visit mining.komatsu

Accurate and Reliable

- Highly accurate dipper by dipper feedback usually within 5% of actual scale measurement
- Real-time feedback exceeds on-truck display speed and empowers operator to adjust loading process immediately
- Improved kinematic model directly takes into account dynamic shovel geometry

Auto Calibration

- No operator-dependent calibration process
- Automatic dipper position calibration
- Automatic dipper weight calibration after each dump

Integrates with Remote Health Monitoring

Payload 2 can be integrated with the Komatsu Remote Health Monitor (RHM) to further enhance your ability to optimize loading and manage assets. With the Universal Dispatch Interface option, Payload 2 can also connect with other monitoring systems.

Payload 2 Main screen   Payload 2 Setup screen

Technology-as-a-Service (TaaS) option

With the TaaS option, you pay a set monthly or annual fee with no large up-front cost. Komatsu provides you with the entire Payload 2 technology package, including operation and hardware, and protection if any of the hardware fails or becomes obsolete.*

Does not include prerequisite devices such as, but not limited to, the load pin, resolvers, or inclinometers.

Komatsu: Revolutionizing the mining industry for a sustainable future

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