

VEI

ONBOARD WEIGHING



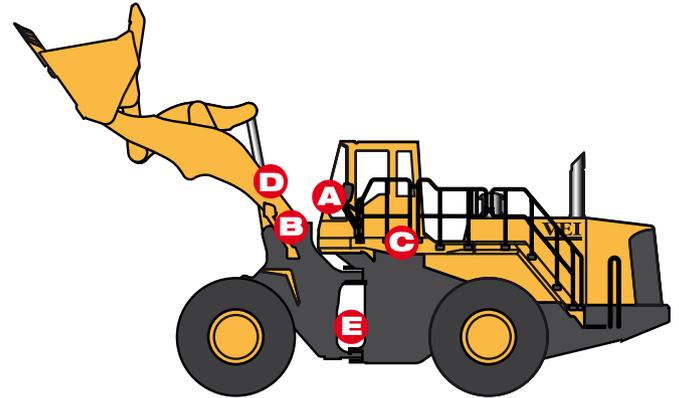
helper21



THE APPROVED LEGAL FOR TRADE SYSTEM



THE MOST POWERFUL, ALL-IN-ONE SYSTEM ON THE MARKET. APPROVED LEGAL FOR TRADE.



A helper21 onboard instrumentation



B contact-free weighing zone sensors



C tilt sensor



D bucket close sensor



E load sensors to know the lifting pressure

Beware of non-legal for trade systems: they are illegal.

The **helper21** onboard weighing system has been approved as guaranteeing stable weighing performance under the following conditions:

- Changes in ambient temperature.
- Resistance to vibration.
- Electromagnetic interference.

helper21 has therefore been approved for payload weighing under the latest applicable European standards and regulations.

helper21 is the most powerful weighing system for wheel loaders and similar equipment; it has an integrated touchscreen and new construction technologies that enable you to manage more data faster than ever. With **helper21**, the office is now connected to your wheel loaders via a wireless connection.

Much more than a weighing system

helper21 is not just a weighing tool but an all-in-one payload management system combined with a modern, user-friendly interface making it the state-of-the-art in the industry and most advanced on the market.



LOAD



Contrast adjusted automatically based on the ambient temperature

Navigation menu

High resolution, high-definition display

Touchscreen featuring easy-to-use keypad icons

Grip knob to disconnect eprint

Grip knob to open eprint

eprint: resistant thermal printer to quickly print delivery tickets

Why install helper21?

- End-to-end management of the payload process, with print-out of the delivery tickets and data sent to billing system in real time using wireless cellular technology.
- Real time, web-based consultation of loading and production data from any work station.
- Easy-to-use thanks to the intuitive commands and guided data-entry user interface made possible only because of the touchscreen display.
- Find function to search lists.
- Operator ID recognition with auto-locking if not authorized.
- High-speed thermal printing.
- High precision and legal for trade.
- Minimum components with no junction boxes.
- No similar product available: an onboard computer that weighs, prints delivery tickets, sends data to billing system and legal for trade.
- Weigh bridges and associated running costs can be eliminated.
- The production plant can be loaded then suspended temporarily to load trucks. The system can manage up to 50 simultaneous loading tasks (multi-tasking).



Printers (optional)

eprint

The eprint unit prints delivery tickets and production results. It can be fitted under helper21 to produce a single, integrated unit or installed as a separate unit. The information printed on the delivery tickets includes the following full address details:

- Owner of site
- Loading site
- Company loading
- Carrier
- Customer
- Destination

Along with: product with relative CE notes, loaded vehicle registration number, weights (tare, gross and net), operator name and space for signature. Eprint also prints your company logo and certification bodies for the product being loaded.

Slip printer

The Slip Printer generates multiple copies of delivery tickets in a pre-printed format. The information printed on the delivery tickets includes the following full address details:

- Owner of site
- Loading site
- Company loading
- Carrier
- Customer
- Destination

Along with: product with relative CE notes, loaded vehicle registration number, weight, operator name and space for signature.

Sprint

Sprint is the smallest printer and ideal for use in smaller spaces. It prints the following full address information:

- Loading site
- Company loading
- Carrier
- Customer
- Destination

Along with: product with relative CE notes, loaded vehicle registration number, weights (tare, gross and net), operator name and space for signature. It does not print company or product logos.

PRINTED DELIVERY TICKETS AND PRODUCTION REPORTS



eprint thermal printer



Sprint thermal printer

 Joseph Young Quarry Co.		
24 Riverside Road Ashland - KY 380456 Ph. 606 9283290 Fax. 606 9289111 email: info@josephquarry.com www.josephquarry.com		
LOADING SITE		
ROCHESTER STREET 223 GLASGOW MA 78650 PH. 687 341200		
CONTRACTOR		
THOMAS EXCAVATIONS INDUSTRIAL PARK BLOCK 5 ORLANDO - FL PH. 687 895600		
Date	Time	
16-09-2010	17:00	
PRODUCT	TOTAL	NW
BETON 0/40	16,000	3
CE products are processed complying with EN13242 1137		
Product note		
BETON 0/40 COMPLY WITH STANDARDS UNI-EN 12650 UNI-EN 12700		
LOADED CUSTOMER		
UNITED STEEL CORP. LTD MILLER STREET 223 GLASGOW MA 78650		
CARRIER		
HUMPHREY TRANSPORTS LTD CARLINGTON STREET RIVERSIDE MA 78650		
DESTINATION		
UNITED STEEL CORP. LTD PINE TREE INDUSTRIAL ZONE RENO CA 78650		
PURPOSE OF TRANSPORT		
SALE	VEHICLE	
FHS 85 LM		
OPERATOR	Ticket No.	
STEVE	12580	
SIGNATURE		
		
Total Format		

LOADING SITE		
ZENITH QUARRY LIMITED 1/A HIGHWAY 75 TREE HILL - 380456 OHIO PH. 606 9286600		
Date	Time	
21-02-2010	10:05	
PRODUCT	TOTAL	NW
GRAVEL 0/14	26,950	5
PRODUCT NOTES		
GRAVEL 0/14 COMPLY WITH STANDARDS UNI-EN 12650 UNI-EN 12700		
LOADED CUSTOMER		
GREAT FALLS QUARRY HIGHWAY 61 RIVERTON 30007 OHIO PH. 821 180548		
CARRIER		
VICTORY TRANSPORT RIVERVIEW 21 CASTLE ROCK 88052 OHIO PH. 821 223780		
DESTINATION		
GREAT FALLS QUARRY 19 NORTH GATE APPLETON 39007 OHIO PH. 856 362547		
PURPOSE OF TRANSPORT		
SALE	VEHICLE	
FHS 85 LM		
OPERATOR	Ticket No.	
FRASER	10230	
SIGNATURE		
		
Total Format		

		Zenith Aggregates 24, Riverside Road Ashland - Ky 380456 Ph. 606 9283290 - fax 606 9289111 e-mail: info@zenithaggregates.com www.zenithaggregates.com
DATE AND TIME		21-02-2010 10 : 05
PRODUCT		GRAVEL 0/14
TOTAL (ton)		26,95
NO. OF WEIGHINGS		5
PRODUCT NOTES		GRAVEL 0/14 COMPLY WITH STANDARDS UNI-EN 12650 UNI-EN 12700
CUSTOMER LOADED ADDRESS		GREAT FALLS QUARRY HIGHWAY 61 30007 RIVERTON OHIO 821 180548 340 0828 55
CARRIER ADDRESS		VICTORY TRANSPORT RIVERVIEW 21 88052 CASTLE ROCK OHIO 821 223780 201 3671 892
DESTINATION ADDRESS		GREAT FALLS QUARRY 19 NORTH GATE 39007 APPLETON OHIO 856 362547 558 0727 471
PURPOSE OF TRANSPORT		SALE
ORDER ID		RE001255
PROJECT ID		BLACK RIVER BANKS
VEHICLE		FHS 85 LM
OPERATOR		FRASER
TICKET No.		10230
SIGNATURE		
		



Slip printer
Slip dot matrix printer



helper21

MAKE YOUR BUSINESS MORE EFFICIENT WITH IPOT



ipot (optional)

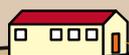
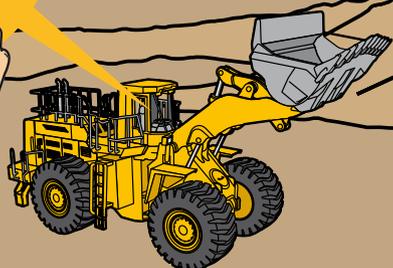
Loading data analysis software. Whether you use the **ikey** memory stick or wireless connection, all data ends up in a single database from where it can be exported to billing software. With **ipot**, you can generate all types of reports, and printouts can be launched directly and in real time from the loading machine to your office. **ipot** links sales to billing cutting administration times drastically.

ikey (optional)

Portable USB memory device to transfer data: an easy option in your pocket to keep your business always up to date, or back up all files saved in the weighing system.



remote printing with ipot



Joseph Young Quarry Co.
 24 Riverside Road
 Ashland - KY 40046
 Ph: 606 9263290
 Fax: 606 9269111
 email: info@josephquarry.com
 www.josephquarry.com

Time: 15:45
 Date: 16-09-2010
 Delivery Docket No: 12570
 Vehicle ID: FMS 85 LM

Customer	Carrier	Destination	Price (usa)
UNITED STEEL CORP LTD RIVERSIDE	HAMPREY TRANSPORTS LTD CARLINGTON STREET 223 MA	UNITED STEEL CORP LTD PINE TREE INDUSTRIAL ZONE RENO CA	525.00

wireless (optional)

TrackWeight Mobile

Stay connected to your loader 24/7, 7 days a week.

Trackweight sends you real-time data from your loader wherever you may be, all you need is an internet connection.

Its compact function gives you:

- Production data at a selected email account.
- 100% data security as data is sent in real time and stored on a server provided for you.
- Automatic and direct billing without having to enter delivery tickets manually after they are printed on the loader.
- Easy management of all extraction sites located in and outside the country.

21RfLink

Ideal for short distance data transmission or in the same site where the loading machinery is working.

21RfLink is in fact used when delivery tickets need to be printed at the exit of the loading site or inside industrial plants in order to transfer data in real time.

WIRELESS TRANSMISSION



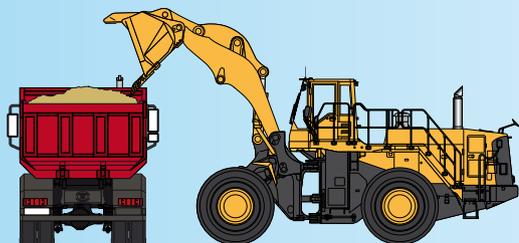
TrackWeight Mobile

Quad-band cellular modem.
Real-time data transmission.
Unlimited range.
Unlimited number of loading sites manageable.



21RfLink

868Mhz radio modem
Real-time data transmission
1000m range
1 loading site manageable.



WEIGHING



TRACKWEIGHT SERVER



IPOT DATA PROCESSING



IPOT KIOSK UNRIVALLED AUTOMATION



ipot kiosk interface and example of delivery ticket printed at exit



digital signature

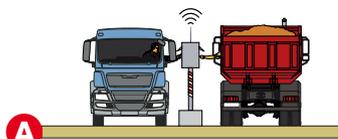
ipot kiosk (optional)

The ipot kiosk brings unparalleled automation to the sector, cutting running costs drastically and paying for itself in just a few months.

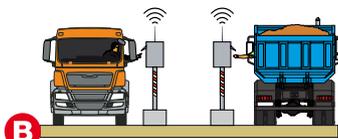
With ipot kiosk, vehicles entering the loading site, whether it's a quarry, construction site or landfill site, are controlled through manual or automatic vehicle recognition. This provides direct control over all vehicles operating in the site, and the opportunity to deny authorization as necessary. But ipot kiosk is not just a simple access control system, as once a vehicle has been recognized, all associated data, such as the customer name, vehicle registration number, weight and product is sent as a message to the assigned vehicle.

This means the driver no longer needs to get out to give these details to the loader operator, and the latter doesn't have to enter data for the vehicle being loaded because it is already contained in the message received when the vehicle entered the site.

Once the vehicle has been loaded, the loader operator sends a message to the ipot kiosk specifying the weight actually loaded so when the vehicle is recognized at the exit, the driver receives the delivery ticket automatically.



A double-sided kiosk



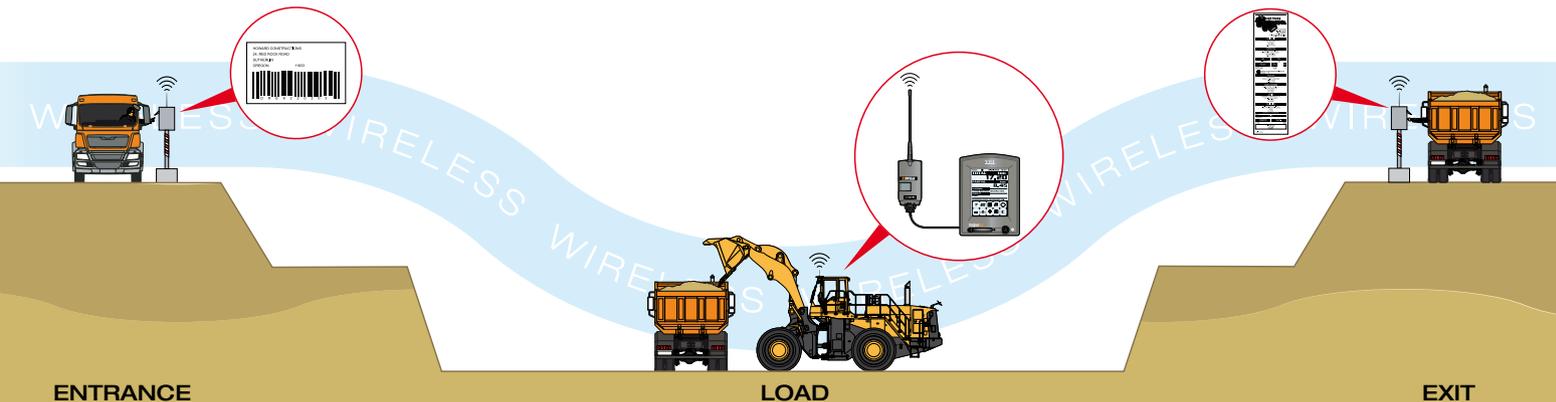
B separate kiosks



C dual function enclosed kiosk



D operator-assisted ipot kiosk



Features

Hardware

- In-motion weighing
- Printer connection
- Modem connection for web-based data transmission
- 1 USB port for data downloading
- Large display
- Touchscreen with intuitive icons for full interaction
- Real-time bucket tip off function
- Multi-task loading

Software

- Owner
- Loading company
- Loading site
- Carriers
- Customers
- Destinations
- Products and notes
- Vehicle registration numbers and relative weights
- Order reference details
- Project references
- Operator ID
- Mixes
- Loads report



VEI PRODUCTS AND EARTHMOVING APPLICATIONS

helper21															
helper7															
Millennium															
helper															
DUMPERLOAD															
SHERPA															
	wheel loader	compact wheel loader	backhoe loader	skid steer loader	hydraulic excavator	LHD load-haul dump	telehandler	articulate dump truck	rigid dump truck	underground truck	truck	truck and trailer	concrete mixer	forklift	grapple



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 info@veigroup.com
 www.veigroup.com

VEI North American Headquarters

RMT Equipment Inc.
 1 800 684-8132
 450-622-0682
 www.rmt.ca

VEI Australia & New Zealand

Headquarters
 VEI Payload Management Systems
 1-800-PAYLOAD (1-800-729562)
 07-3889-9000
 www.veigroup.com

Your nearest VEI specialist is:

