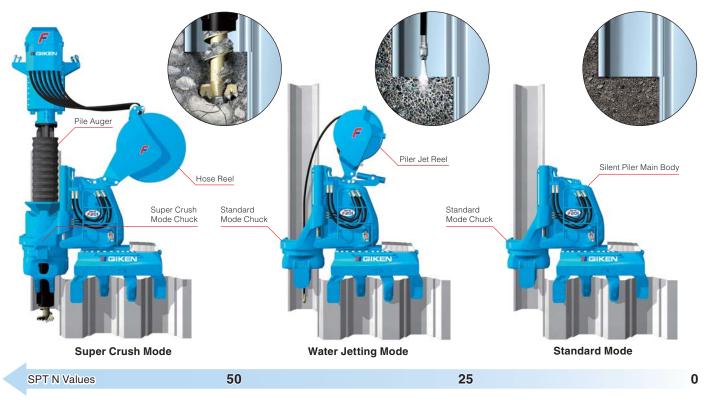


Modular model applicable to U Sheet Piles (15.75-23.62in wide)



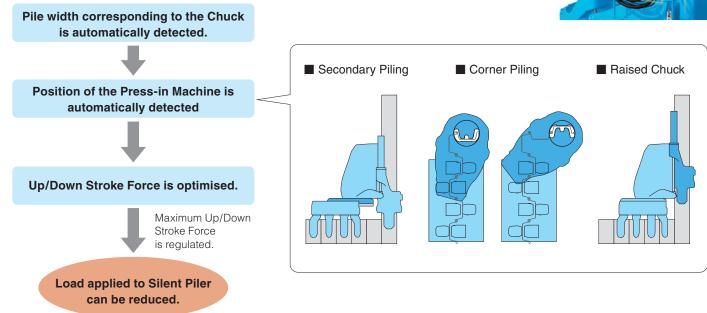
Applicable to 15.75-23.62in wide U Sheet Pile and soft to hard ground conditions

F201 has wider adoptability and is applicable to Standard Mode, Water Jetting Mode, and Super Crush Mode and 15.75in, 19.69in and 23.62in wide U sheet pile by changing the chuck and chuck frame, and equipping suitable attachments.



2 Longer Operational Life and Higher Functionality by New Control System

The new control system manages the position of the press-in machine and controls load generation from press-in work during operation, maximising the durability of each part. Also, control of the machine is remarkably improved by the Press-in Force Control System and the Phaseless Linear Auger Torque Control System.

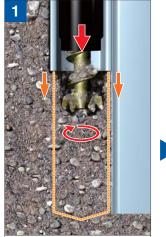






3 **Pile Installation into Hard Ground**

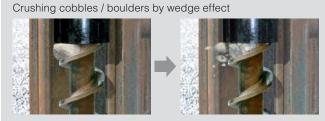
The "Pilot Coring Theory", GIKEN's original theory, makes the Hard Ground Press-in Method able to install sheet piles into difficult ground conditions such as gravelly soil and cobble or boulder mixed soil without losing the advantages of the Press-in Method. The augering area can be reduced to assist pile installation, minimising volume of spoil and disturbance to the soil strata. Hence, high bearing capacity is available from sheet piles which are installed by the Hard Ground Press-in Method.





sheet pile installation

Press-in with the Pile Auger



Locking Function

Lock functions in the leader mast, chuck and clamps secure Silent Piler against drilling torque and increase drilling efficiency and accuracy of pile installation.



Chuck Lock Leader Mast Lock Rotation

New Generation Power Unit EU300K4

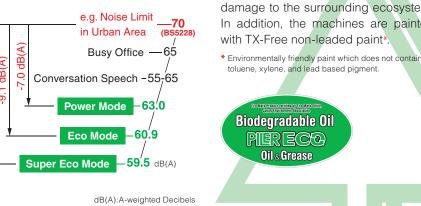
3

10.5

Low Emission Engine

The Power Unit for the F201 is a new generation model with environmentally friendly specifications. It is designed with strict concepts for clean emissions with high combustion efficiency and with GIKEN's original hydraulic control technologies.



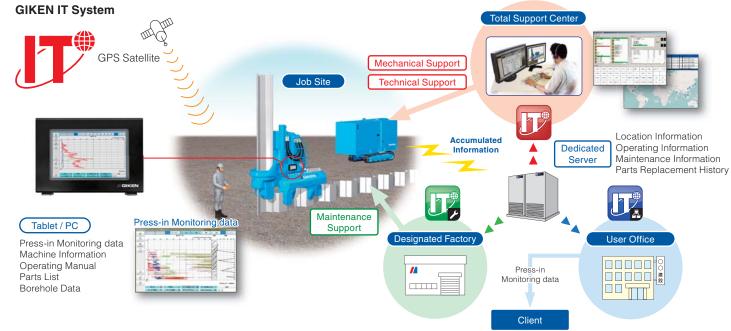


Scientific Execution of Press-in Work & Advanced IT Functions

GIKEN IT System

GIKEN's engineers can monitor individual Silent Pilers, such as operating condition, maintenance records and location. Quick advice for any technical troubles is available promptly and appropriate information can also be provided to prevent troubles.

* The system is not available in the countries where authorisation for usage cannot be acquired.



SIEN PIER

Ultra Low Noise Level

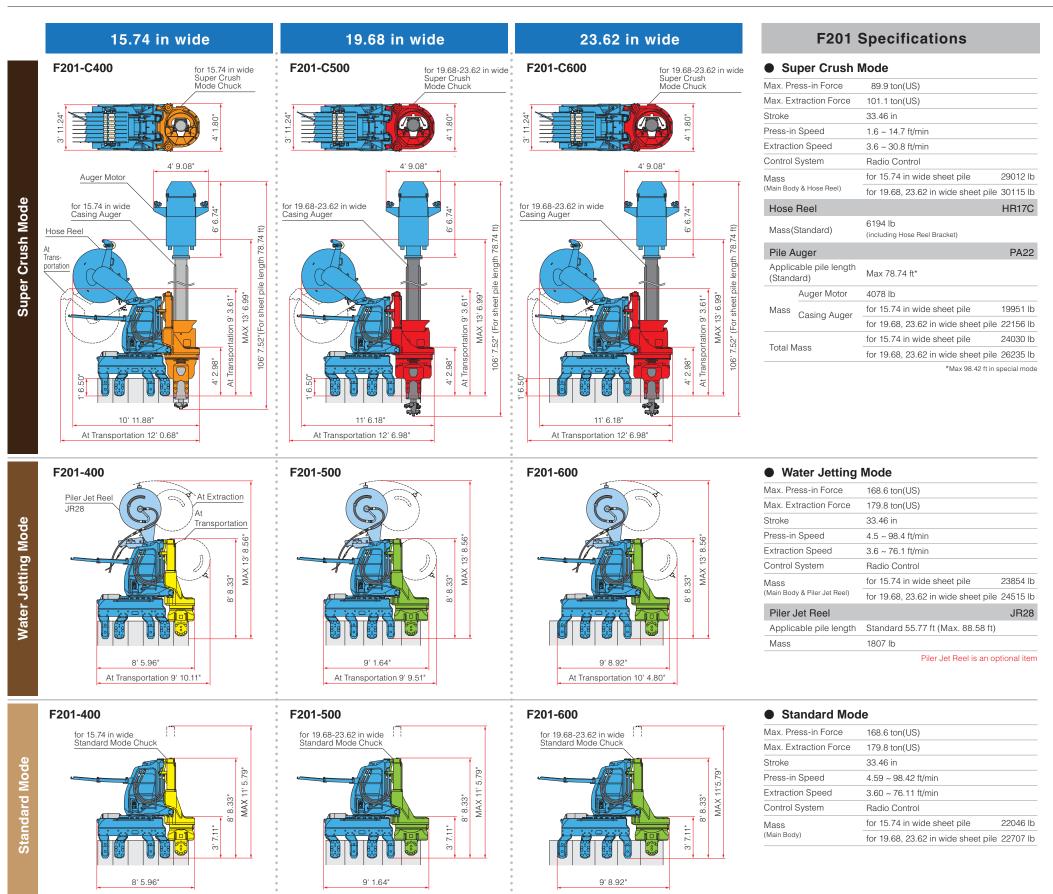
It clears allowable construction noise levels in many industrialized countries.

Standard Application of Biodegradable Oil

The F201 uses biodegradable Piler Eco Oil and Piler Eco Grease. Therefore, if hydraulic oil or grease is spilled into soil or water, there will be no environmental damage to the surrounding ecosystem. In addition, the machines are painted

Press-in Monitoring and Data Logging System

Press-in monitoring data can be used for quality control and information modelling of the foundation. Operators are able to keep working while checking data such as press-in force, auger torque, and working hours of press-in work, on a tablet or PC (both optional extras).

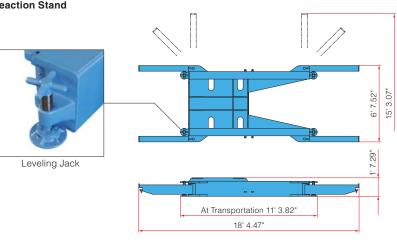


Dimensions & Specifications

Power Unit



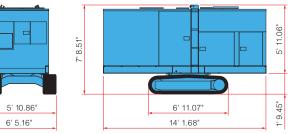
Reaction Stand



Chuck Mass

Sheet Pi 19.68, 2 15.7





Power Unit		EU300K4
Power Source		Diesel Engine
Rated Output	Power Mode	355 HP / 1800 rpm
	Eco Mode	316 HP / 1600 rpm
	Super Eco Mode	276 HP / 1400 rpm
Fuel Tank Capacity		159 US gal
Hydraulic Reservoir		Piler ECO Oil 166 US gal
Urea Additive Tank Capacity		10 US gal
Moving Speed		0.87 mph
Mass		15983 lb (with 65.61 ft Hose)

Reaction Stand (with Leveling Jack)		
Mass	4188 lb	

le Width	Standard Mode Chuck	Super Crush Mode Chuck
23.62 in	6283 lb	7495 lb
'4 in	5621 lb	6393 lb

The above specifications are subject to alteration without prior notice



* Available for Super Crush Mode only.

Casing

Casing Scraper *

F201 Project Data Sheet

F201 Demonstration Test





Emergency Land Slide Remedial Works



Project : Emergency Channel Construction Works

Location : Oshima Town, Tokyo Period : March 2014 ~ May 2014 Silent Piler : F201 Type of Sheet Pile : U Sheet Pile SP ${\rm I\!I}$ Pile Length: 22.97 ft

Accessories

Standard Accessories







lose Rolle





Pile Laser

* for 23.62in wide only



Module Box



ile Rolle



Roller Holde



Auger Head *

Optional Accessories



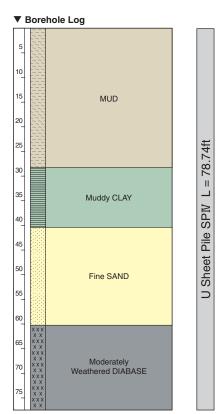
Piler Jet Reel (JR28)

7

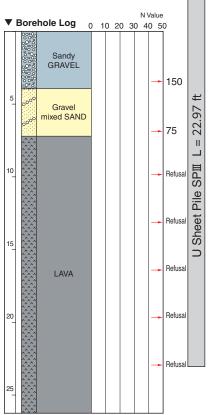




Casing Scrape



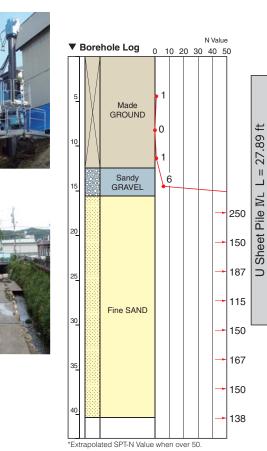




*Extrapolated SPT-N Value when over 50.

Drainage Restoration Works in Dense Residential Area





Installation of Sheet Pile Cut-off Wall into Hard Ground



Project : Demolition of Miyagi Prefectural Public Health and Environment Bldg.- Second Phase Location : Sendai City, Miyagi Period : October 2013 ~ November 2013 Silent Piler : F201 Type of Sheet Pile : J Pocket Pile JFESP-4WS, U Sheet Pile SP IIw Pile Length : 13.12 ~ 24.61 ft

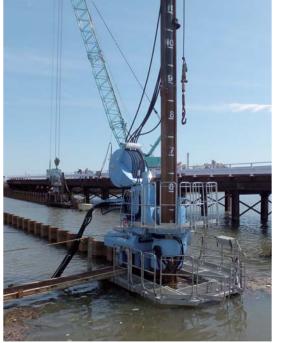
River Dike Disaster Remedial Works

Location : Machida City, Tokyo

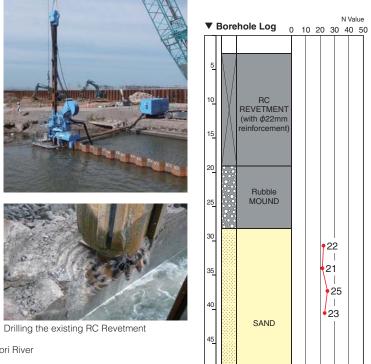
Period : May 2013

Type of Sheet Pile : U Sheet Pile SP VIL Pile Length: 27.89 ft

Silent Piler : F201

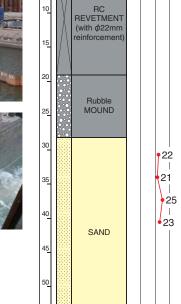


Project : Embankment Restoration Work Section 4, Natori River Location : Natori City, Miyagi Period : September 2013 ~ October 2013 Silent Piler : F201 Type of Sheet Pile : U Sheet Pile SP IIw and SP IVw Pile Length : 24.61 ~ 54.13 ft









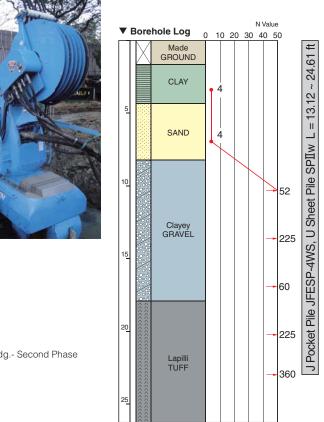
54.13 ft U Sheet Pile SPIIw and SPIVw L = 24.61 \sim

N Value

Visit the following URL for more details.

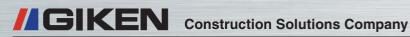
GIKEN Project Leaflet Database http://www.gtoss.net/en/pressin-archive





ted SPT-N Value when over 50

Data sheets can be searched and downloaded by category.



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