



for Tubular Pile 800~1200mm Tubular Sheet Pile 800,1000mm

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The Rotary Cutting Press-in Machine for a wide range of Tubular Piles and Tubular Sheet Piles

 $\frac{\text{GYRO PIER}}{401-\text{G1200}}$ GYRO PILER<sup>™</sup> F401-G120



## Applicable to a wide range of Tubular Piles and Tubular Sheet Piles

The F401-G1200 can install tubular piles ( $\phi$ 800mm, 1000mm and 1200mm) and tubular sheet piles ( $\phi$  800mm and 1000mm) by changing only the Chuck jaws and Clamp jaws.

Spacing between Clamps of the F401-G1200 can be adjusted by hydraulic cylinders at an optional distance.

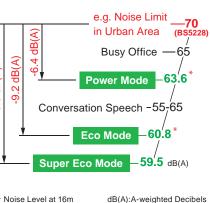


# **Outstanding Environmentally-Friendly Design**

0.5 dB(A)

#### **Low Emission Engine**

The Power Unit of the F401 is a new generation model and has environmentally-friendly specifications. It is designed with strict concepts for clean emissions with high combustion efficiency and GIKEN original hydraulic control technologies.

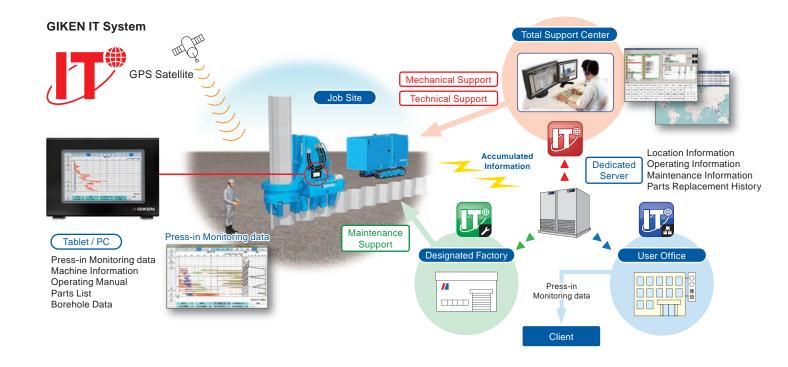




# Scientific Execution of Press-in Work & Advanced IT Functions **GIKEN IT System**

GIKEN engineers can monitor individual GYRO PILER, 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.



\*For Tubular Sheet Piles (Tubular Piles with external interlocks), optional Chuck jaws are required



## Ultra Low Noise Level

It clears allowable construction noise levels in many industrialised countries.

dB(A):A-weighted Decibels

#### **Standard Application of Biodegradable Oil**

The F401 uses bio-degradable PILER ECO<sup>™</sup> OIL and PILER ECO Grease. Hence, 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 with TX-Free non-leaded paint\*.

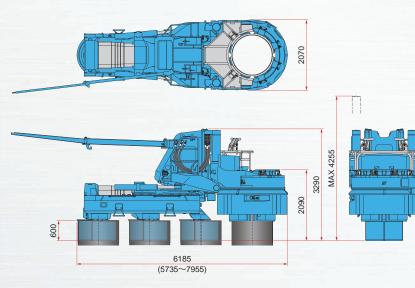
\* Environmentally-friendly paint which does not contain toluene, xylene and lead based pigment.



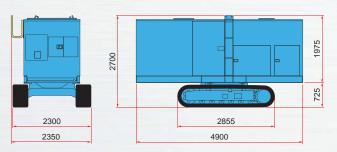
#### Press-in Monitoring and Data Logging System

Press-in monitoring data can be used for guality 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).

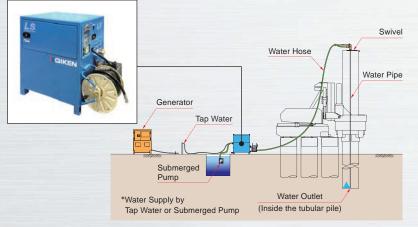
#### **Dimensions & Specifications**







#### Lubrication System



GYRO PILER	F401-G1200		
Applicable Piles	Tubular Pile $\phi$ 800, 1000, 1200 mm Tubular Sheet Pile $\phi$ 800, 1000 mm <sup>*1</sup>		
Max. Press-in Force	with Chuck Rotatio	n*2	1500 kN
	without Chuck Rota	ation	2000 kN
Max. Extraction Force	with Chuck Rotatio	n*2	1600 kN
	without Chuck Rota	ation	2200 kN
Chuck Rotation Torque	900 kN•m (Emergency Use up to 1050kN•m)		
Chuck Rotation Velocity	MAX 11.0 min <sup>-1</sup>		
Stroke	1000 mm		
Press-in Speed	$0.7\sim4.9$ m/min		
Extraction Speed	$0.7\sim 3.5$ m/min		
	for 800mm	850 ~	1320 mm
Applicable Pile Spacing	for 1000mm	1050 ~	1320 mm
	for 1200mm	1250 ~	1505 mm
Control System	Radio Control		
	for 800mm		31850 kg
Mass	for 1000mm		32600 kg
	for 1200mm		33600 kg

For Tubular Sheet Piles (Tubular Piles with external interlocks), optional Chuck jaws are required.
An external power source is required for Chuck rotation. (200V-50/60Hz, 220V-60Hz, Min. 30KVA, 3 phases)

Power Unit		EU500C3	
Power Source		Diesel Engine	
Rated Output	Power Mode	377 kW(513 ps) /1800 min <sup>-1</sup>	
	Eco Mode	335 kW(456 ps) /1600 min <sup>-1</sup>	
	Super Eco Mode	293 kW(399 ps) /1400 min <sup>-1</sup>	
Fuel Tank Capacity		850 L	
Hydraulic Reservoir		PILER ECO OIL 660 L	
Moving Speed		1.4 km/h	
Mass		10950 kg (with 30m Hose)	

#### Lubrication System

Input Voltage(3 phases)	
Water Pump Discharge Rate	•
Water Pump Discharge Pressure	è
Outer Dimension(W x D x H)	
Water Tank Capacity	
Mass(without water)	
The above speci	fi

	OP114A
	AC200V, 50/60Hz, 24KVA or more
	Max. 60 L/min
•	Max. 6 MPa
	1505 × 755 × 1230 mm
	300 L
	410 kg
fic	ations are subject to alteration without prior notice.

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### **Construction Solutions Company**

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