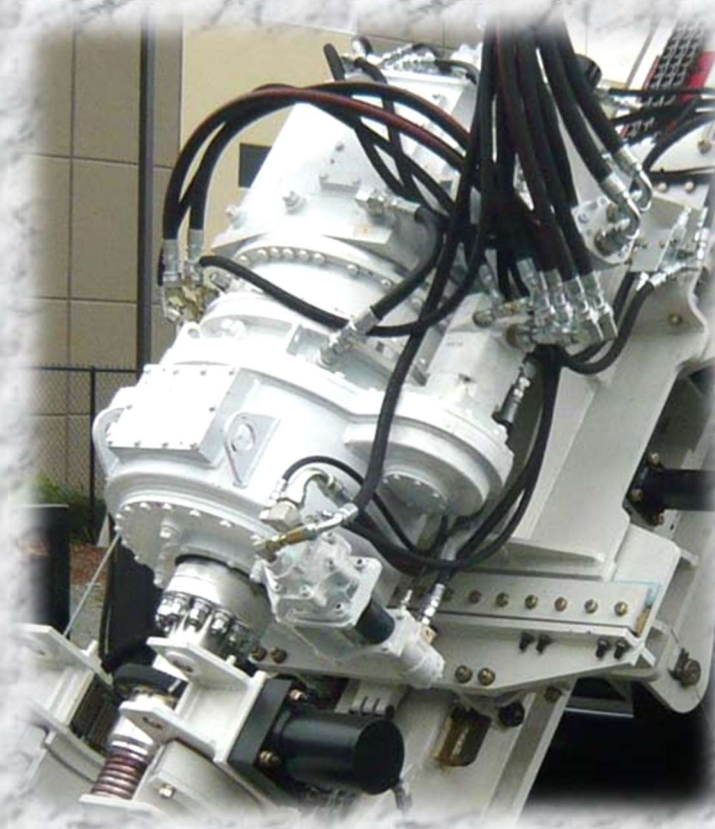


# **TONE SONIC**

## **HIGH FREQUENCY VIBRATORY-ROTARY DRILL HEAD, TONE-SONIC "SD-100"**

**TONE-SONIC SD-100** drill head combines the rotation with high frequency vibration to advance drill pipe. High frequency vibrations are transmitted down drill pipe to drill bit. The frequency can be adjusted to suit specific geology. High frequency vibratory action fluidizes soil particles and displaces them away from the bit face, allowing for clean, fast and easy penetration in a variety of geological formations.



### **FEATURES**

- Long service interval between overhaul periods
- Robust construction for severe duty
- Wide drilling applications
- Ability to operate from horizontal to vertical position
- Internal air damper isolates vibrations from the rest of drill rig components
- Numerous units in worldwide

## **TOA-TONE BORING CO., LTD.**

URL: <http://www.toa-tone.jp>

## DRILLING APPLICATIONS BY TONE-SONIC DRILL FITTED WITH SD-100 DRILL HEAD



Anchoring for land slide prevention



Investigation drilling for land slide restraint



Drilling of underground geothermal hole at international school



Drilling of horizontal dewatering hole for land slide prevention

### MAIN TECHNICAL FEATURES OF SD-100 DRILL HEAD

- Rotation Speed : 0 - 142 min<sup>-1</sup>
- Rotation Torque : Forward; 3.9 kNm Reverse; 4.9 kNm
- Max. Frequency : 130 Hz
- Weight : Approx. 830 kg

In accordance with our policy of constant improvement, we reserve the right to amend design, materials, specifications and prices at any time without prior notice.



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