

HEAVY-DUTY TRACTOR ATTACHMENTS

POST HOLE DIGGER FOR DRAGON FRUIT PLANTATION - CONCRETE POLE PIT DIGGER

Dig 500 uniform dragon fruit RCC pole pits per day — 40 seconds per pit on any tractor.

PowerAgro Industries
135, Mubarikpur, Behind Reliance Petrol Pump, Khatauli

+91-9548403434
poweragroindustries.com

PRODUCT OVERVIEW

The PowerAgro Post Hole Digger for Dragon Fruit Plantation is custom-engineered for commercial dragon fruit growers who need to install 450 to 500 heavy concrete RCC poles per acre. Digging deep, uniform pits manually takes 2 to 3 weeks of manual labor and delays planting schedules. Powered by your tractor's 540 RPM PTO shaft, this heavy-duty digger creates perfect 12-inch or 18-inch diameter pits up to 3 to 4 feet deep in just 40 seconds per hole. Equipped with hardened replaceable cutting blades and a heavy cast-iron helical gearbox, it effortlessly cuts through hard clay, dry crusts, and rocky soils across Maharashtra, Gujarat, Andhra Pradesh, Karnataka, and UP. Compatible with all 25-65 HP tractors.







INDUSTRIAL PERFORMANCE HIGHLIGHT

Dig 500 uniform dragon fruit RCC pole pits per day - 40 seconds per pit on any tractor.

KEY FEATURES

» Plant 1 Full Acre in 1 Day

Digs 450 to 500 uniform pits per day — allowing you to complete an entire acre of dragon fruit pillar installation in a single day instead of weeks.

» Perfect Vertical Alignment

Double-spiral flighting lifts soil cleanly out of the hole, creating precise cylindrical walls so concrete pillars stand straight and true without shifting.

» Lowers Installation Cost by 80%

Manual pit digging for 500 poles costs ₹15,000-₹25,000 in labor. The PowerAgro tractor auger operates at just 3-4 liters of tractor diesel per acre.

» Replaceable Hardened Teeth

Equipped with bolt-on high-carbon cutting teeth and pilot tips. When worn in hard soil, simply replace the teeth rather than the entire auger.

» Works with Mini and Standard Tractors

Engineered with efficient torque transfer so compact 25-35 HP tractors (Kubota, Captain, Mahindra Yuvo) can operate a 12-inch auger smoothly.

TECHNICAL SPECIFICATIONS

BRAND	PowerAgro Industries
COUNTRY OF ORIGIN	Made in India
DELIVERY	Pan India Delivery (Shipped from Khatauli, Uttar Pradesh)
COMPATIBLE TRACTOR HP	25 HP to 65+ HP (Mahindra, Swaraj, Sonalika, Kubota, John Deere, etc.)
AUGER DIAMETERS AVAILABLE	12 Inch (Standard Dragon Fruit Pole) | 18 Inch (Heavy Foundation)
DRILLING DEPTH	3 Feet to 4 Feet (Adjustable for Concrete Pillar Anchoring)
DRILLING SPEED	Approx. 40 Seconds per Pit (Soil Condition Dependent)
DAILY OUTPUT	450 to 600 Pits per Day (Complete 1-Acre Setup Daily)
GEARBOX TYPE	Heavy-Duty Cast Iron Helical Gearbox (11x25 or 9x25)
BLADES & PILOT TIP	Hardened High-Carbon Replaceable Steel Blades + Fish-Tail Pilot Point
MOUNTING	Standard 3-Point Linkage (Category I & II)
PRICE RANGE	60,000 - 1,30,000 / Unit

AVAILABLE MODELS & CONFIGURATIONS

PowerAgro DFX-12 Standard (12-inch Auger) PA-DF-12-STD Rs. 60,000

Ideal for standard 12-inch dragon fruit concrete pole installation. PTO-driven self-feeding auger drills up to 3.5 ft deep with replaceable cutting blades.

KEY SPECIFICATIONS & FEATURES

- 12-inch (300 mm) double-spiral hardened steel auger bit
- Digging depth up to 3.5 feet
- Cast iron helical 9x25 gearbox
- Compatible with 25-45 HP tractors
- Standard 3-point linkage mounting
- Includes heavy-duty PTO cardan shaft with safety cover

PowerAgro DFX-18 Heavy Duty (Hydraulic Assist Model) PA-DF-18-HD Rs. 95,000

Heavy-duty model featuring a hydraulic downforce jack to push the auger through hard, dry crusts and stony soil. Includes both 12-inch and 18-inch augers.

KEY SPECIFICATIONS & FEATURES

- Hydraulic downforce jack pushes auger into tough, compact ground
- Includes both 12-inch and 18-inch double-flight auger bits
- Heavy-duty 11x25 helical cast iron gearbox
- Digging depth up to 4.5 feet
- Tungsten carbide bullet teeth upgrade option available
- Compatible with 35-65 HP tractors

ABOUT POWERAGRO INDUSTRIES

A LEGACY OF QUALITY, INNOVATION & TRUST SINCE 1968

Built on a strong family legacy since 1968, PowerAgro Industries delivers generations of expertise in agricultural and industrial machinery. Our journey began with our grandfather, who laid the foundation of a family-driven enterprise focused on tractor attachments such as pulleys. Today, the third generation continues this legacy, combining time-honored values with modern innovation.



> *"We don't just manufacture machinery; we carry forward a 55+ year family legacy of engineering integrity to empower the Indian farmer and contractor."*
>
> **— MD & Founder, PowerAgro Industries**

INDUSTRIES WE SERVE

- Agriculture
- Material Handling
- Brick Manufacturing
- Infrastructure

WHY CHOOSE US?

UNMATCHED DURABILITY
High-grade steel & heavy-duty parts for long operational life.

INNOVATIVE ENGINEERING
Precision design for max productivity & fuel efficiency.

COMPREHENSIVE SUPPORT
Complete after-sales service, spare parts & warranty support.

HIGHLIGHTS

- High-quality products
- Ethical business practices
- Transparent dealings
- Skilled professionals
- Flexible payment options
- Wide distribution network

CONTACT & ENQUIRIES

Address:
135, Mubarikpur, Behind Reliance Petrol Pump, Near Gud Mandi, Khatauli - 251201

Phone:
+91-9548403434

Email:
support@poweragroindustries.com

Website:
poweragroindustries.com

WEBSITE

WHATSAPP

EMPOWERING AGRICULTURE & INDUSTRY WITH RELIABLE MACHINERY SOLUTIONS

Serving thousands of satisfied farmers and industrial clients across India since 1968.