

DURATIQ™
Engineered for you

**BORN TO SET
NEW STANDARDS.**

BORN TO MAKE A DIFFERENCE

- ✓ **Productivity**
- ✓ **Reliability**
- ✓ **Operability**
- ✓ **Flexibility**



BORN TO SET NEW STANDARDS.

We decided to create an entirely new generation of floor grinders. And we started by traveling the world to gather impressions, feedback and ideas from those who mean the most to us – our customers.

The result is the DURATIQ. Two machines completely redesigned, each with more than 100 new features, solutions and details matching the clearly set requirements and expectations of professional users and specialists the world over.

With the DURATIQ, HTC has set an entirely new standard for reliability, precision and control. A unique combination of intelligence and raw power. Always at the forefront of development – this is what motivates everything we do at HTC.

>100
NEW FEATURES

54%
Up to 54% higher productivity*

100%
better dust collection*



P.4 | It just runs and runs. With clockwork engineering. Take a look inside an all-new grinding head.



P.6 | Take control. Experience a new, intuitive HMI.



P.8 | Better maneuverability, lighter, improved ergonomics. Compact dimensions and an innovative range of settings.



P.12 | Cleaner and more effective with enhanced AirFlow™ and new Mist Cooler System™.

*The increase refers to an average value from a series of tests with grinding concrete and removal of dust residue. Test machines: DURATIQ RX8 vs HTC 800 RX. DURATIQ T8 vs HTC 800 Classic.

World class engineering



Transmission

The primary belt can be easily tensioned from the outside (without opening the grinding head). The secondary belt is elastic, and requires no tensioning once it's installed. Everything is hermetically sealed against dust and moisture, inside the grinding head. This means longer service life for internal components.

Precision

The entire head is cast in two parts, with a precision fit, easy to open/dismantle. With the parts sealed with an O-ring, you avoid messy sealants.

Output

The gearing in the drive head has been optimized to produce even more torque, good for coarse grinding and prepping surfaces.

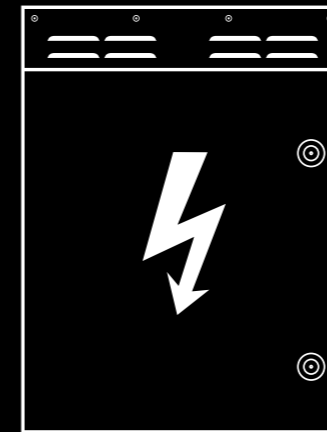
The new DURATIQ is the most thoroughly tested machine in HTC's history. Five-thousand hours of meticulously monitored tests have been conducted both in test rigs and under actual working conditions. Each component has been carefully selected to provide maximum reliability.

Born to run and run and run

The heart of the DURATIQ, the grinding head, received an all-new design – based on equal portions of precision and strength. The completely dustproof, hermetically sealed design increases the service life of all components, while increasing grinding precision.

Right and tight

The electrical components on the DURATIQ are neatly gathered in a newly designed, dustproof cabinet. This significantly improves both reliability and serviceability.

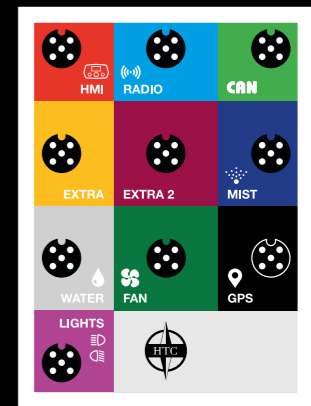


- Dustproof cabinet**
A sealed cabinet with external cooling keeps dust on the outside.
- Less heat**
Less heat from the components in the cabinet means better service life.
- Fewer components**
Fewer components in the cabinet means less downtime and easier service.

1000h
Service interval
1000 hours/1 year*

*Whichever occurs first.

> 5000
hours of testing



External panel for making connections

Easily connect equipment without needing to open the electrical cabinet.

Born to be in control

The HTC DURATIQ is here to reveal the future with an entirely new, intuitive digital control panel called HMI (Human/Machine Interface) and an equally smart remote control unit. It'll give you all the control and precision you'll ever need in maximizing grinder performance.

The DURATIQ's newly developed HMI makes the grinder extremely easy to control, adjust and use, even for operators with limited experience.

The difference is like driving a car with or without a dashboard.



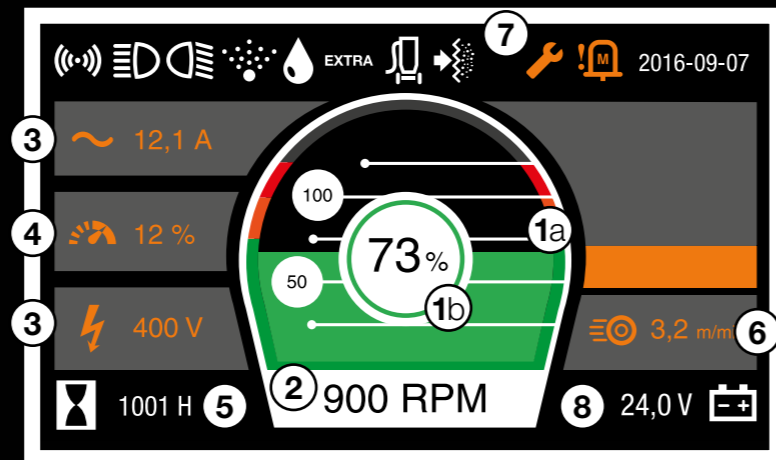
USB & CHARGING

Download running data, update software and charge your mobile devices.



LOCKING FEATURE

The feature allows the grinder to be locked with a pin code.



Intuitive and smart

1. Power meter. Shows available (1a) and used (1b) power.
2. Grinding discs RPM
3. Information about power supply and power consumption
4. Overload protection
5. Operation gauge. Hours/meters/kWh
6. Propulsion speed, alternatively water supply
7. Activated features, service indicator, error messages, clock, date
8. Supply voltage



Unique benefits within arm's reach

- ✓ Avoid problems with machine status in real time.
- ✓ Optimal utilization of machine capacity.
- ✓ Easy to use for all.

Born to bring balance to work

The DURATIQ is based on an entirely new chassis design with full consideration to center of gravity, maneuverability and feel. This makes the DURATIQ easier to operate, with better ergonomics and increased safety. The compact format and smart solutions for retracting the handlebar and weights also make the DURATIQ easier to transport. Who says that floor grinding has to be a heavy job?

20
various handlebar settings

74%
less vibration

WEIGHT POSITIONS

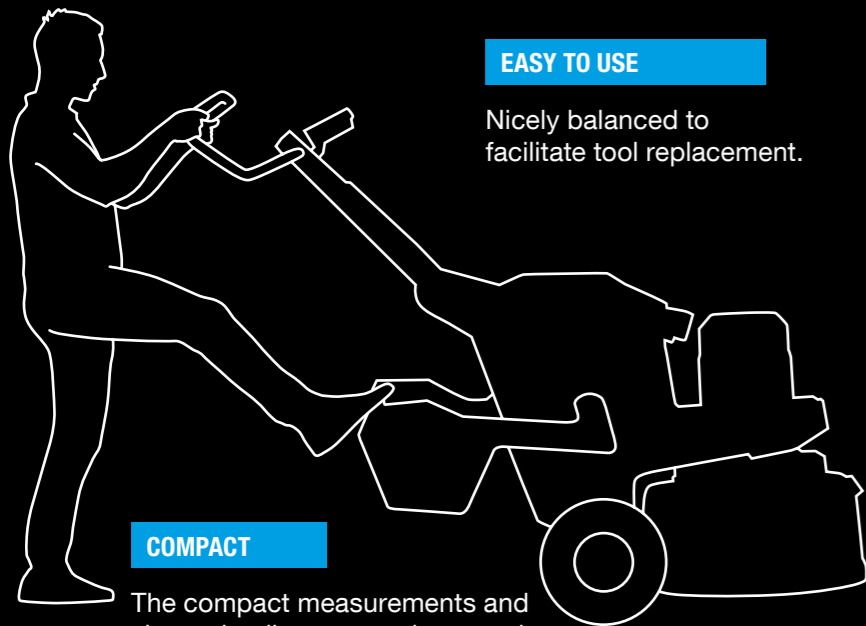
Four weight positions. The weights are easily adjusted by hand. Extra weights are available as options.

EASY TO USE

Nicely balanced to facilitate tool replacement.

COMPACT

The compact measurements and short wheelbase mean improved lines of sight and maneuverability.



Small details that make a huge difference



ACCESS PANELS

With magnetic latches for quicker access.



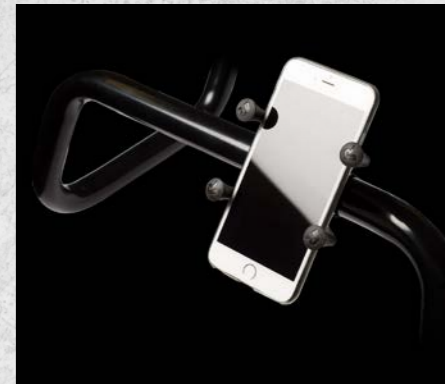
BATTERY CHARGER

For remote control batteries, integrated under the storage hatch.



USB PORT

Charge your phone, download running data and update software.



PHONE HOLDER

Fits most phones.



HANDLEBAR POSITIONS

Coarse and fine adjustment of handlebar brace. Multi-grip handlebar with variable adjustment.



LED LIGHTING

Two directed to the front, one to the rear. Freely positioned with magnets.



MUG HOLDER

Gyro-suspension, secured to handlebar.



STORAGE BOXES

Two smart storage boxes for accessories, personal gear and more.

TWO SIZES.
28 CONFIGURATIONS.
ENDLESS POSSIBILITIES.



DURATIQ
6



DURATIQ
8

Maximized synergies

The DURATIQ features a number of innovations that all interact to increase efficiency and improve the work environment. The AirFlow™ technology has been further developed into a system that handles airflows in a controlled manner. This provides improved dust collection and cools the diamond tools during grinding. Along with a new Mist Cooler System, MCS, you achieve both optimal grinding effect and service life for your HTC Original Diamond Tools.

New Mist Cooler System

A newly designed water supply system and nozzle provide significantly improved tool cooling. This in turn means improved performance and longer service life.

New with MCS:

- Broader mist spray with new angle
- On/off via remote control and control panel
- Three different water flows
- New easily accessible nozzle
- New auto-deairating pump

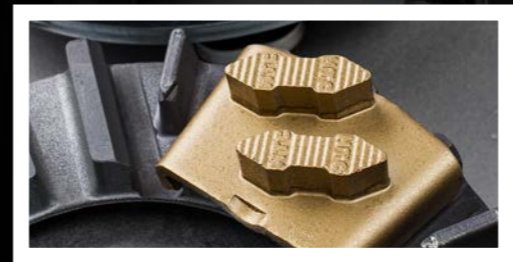
216%
productivity increase
with system synergies*

+27%
more effective
MCS**

100%
better dust collection#

Optimized for HTC Original Diamond Tools

When you use HTC Original Diamond Tools with your DURATIQ, you attain maximum system efficiency. This means increased tool performance and service life.



AirFlow™ tool holder

The tool holder with AirFlow™ technology creates an increased and controlled airflow around the tools. This cools the tools and at the same time, directs the dust towards the extractor.

Enhanced AirFlow™ technology

Newly designed and replaceable extractor in durable material with an optimized location that compliments the AirFlow™ tool holder.

AirFlow™ technology provides:

- >100% improved dust collection
- Nearly dust-free work environments
- Less manual dust collection
- Increased service life for diamond tools
- Less risk for tool glazing

*The increase concerns the amount of ground concrete with and without MCS. Test machines: DURATIQ RX8 vs HTC 800 RX. **Comparison between old and new MCS. Test machines: DURATIQ RX8 vs HTC 800 RX. #The increase refers to an average value from a series of tests for dust collection. Test machines: DURATIQ RX8 vs HTC 800 RX. DURATIQ T8 vs HTC 800 Classic.

World-leading service and support

✔ **Longer service intervals**

Thanks to the DURATIQ's high quality, you get a safer investment and increased service life.

✔ **Global service network**

When you choose a DURATIQ, you gain access to HTC's global service network.

✔ **Quick access for replacing wear parts**

The smart modular construction and carefully considered design make it easier than ever to access and replace wear parts.

✔ **Log feature & remote support**

Download running data and send it to the nearest authorized HTC service shop.

40min
belt replacement

1000h
Service interval
1000 hours/1 year*

*Whichever occurs first.

Born to make a difference

✔ **Reliability**

The essential parts of the DURATIQ combine robustness and precision with dustproof encapsulation.

✔ **Operability**

It's never been easier, or more effortless, to grind floors. The new DURATIQ is ergonomic and easy to operate.

✔ **Flexibility**

Customize your DURATIQ – and let it grow with the job. It can handle everything from coarse grinding to fine polishing.

✔ **Productivity**

With greater precision and better control, you can grind more floor and do it quicker.



>100 new features

The DURATIQ brings together HTC's lengthy experience with a radically new approach to all machine components.

Grinding head

Longer service interval

Service interval of 1000 hrs/1 year. Whichever occurs first.

Increased torque

More torque means a stronger machine and improved floor prep.

Stable grinding head

Two-part grinding head in cast aluminum produces less vibration and a more uniform scratch pattern.

Sealed grinding head

Hermetically sealed grinding head protects essential components from moisture and dust. Dual sealing for moving parts.

New improved hub bearings

Hub bearings with up to five-times longer service life.

Auxiliary bearings

Auxiliary bearings on each grinding shaft stabilize and increase service life.

O-ring seal

O-ring seal makes it easy to open/close the grinding head without dealing with messy sealing agents.

Encapsulated belts

Belts integrated in a dust-free and moisture-free environment provide longer service life.

Optimized belts

Multi-rib belts for long service life.

Automatic belt tensioning

With the elastic secondary belt, tension is always correct.

Simple belt tensioning

Easily tension the primary belt without opening the grinding head.

Reduced spare parts stocks

Shared components between models reduces stocks of spare parts.

Choose between 3 or 4 grinding heads

Option of choosing the number of grinding heads.

Grinding cover with improved dust collection

Better dust collection with newly developed floating grinding cover.

New wear-resistant dust outlet

Optimal discharge flow for dust with new dust outlet that is easy to clean and replace as necessary.

Transport/wet-grinding mode

Suspension device for grinding cover that facilitates transport and wet grinding.

Read off motor temperature directly on the display

Temperature sensor warns of overheating via the HMI display.

New grinding holder bracket

Improved durability and easier to replace.

New bushings between chassis and grinding heads

Bushings with more rubber reduce vibration.

Newly designed grinding cover

Newly designed grinding cover without seals that is easier to clean from dust.

Easily opened grinding head

Easy grinding head opening saves considerable time during service.

Chassis

Balanced center of gravity

Easy to tilt the machine for tool replacement.

Integrated weights

Balanced and easy-to-use weights with four different positions.

Extra weight package as option

Extra weights for demanding grinding jobs. Easy and sturdy attachment directly on chassis.

Lifting points

Integrated lifting points on chassis.

Tensioning points

Integrated tensioning points on chassis.

Reliable wheels

Large and soft, puncture-proof wheels provide high reliability.

Tires that leave no marks

High quality rubber that doesn't leave marks on the floor after standing still.

Compact design

Shorter wheelbase and more compact design means better lines of sight and tighter turning radiuses.

Storage box

Storage space under the top cover with magnetic latch.

Storage box in handlebar brace

Storage box integrated in handlebar brace.

Integrated battery charger

Integrated charger for batteries (remote control) under top cover.

Up to 20 different handlebar positions

Coarse and fine adjustment of handlebar brace provides up to 20 different position settings.

Variable settings for handlebar bow

Easy to find right position with variable fine adjustment of handlebar bow.

Multi-grip handlebar

Handlebar can be gripped in many different ways.

Suspended mug holder as accessory

Place drinks in freely suspended holder on the handlebar.

Phone holder as option

Holder that fits most phone models.

Electrical connector with cable

Easier cable handling when tilting machine, for example.

Access panels

Easily opened inspection hatches save time during service.

New location for Camlock connector

Keep the hose connected to vacuum cleaner during tool replacement.

Flexible hose handling

The hose can be positioned vertically or horizontally.

Electrical

New electrical versions

More machine power with three grinding

discs. Remote-controlled machine for 16 A with 3 or 4 grinding heads. 1 x 200 V, 6 kW (also works as 3 x 200 V) and 3 x 200 V, 12 kW.

Fewer unique electrical components per model

Simplifies stock management and troubleshooting.

Sealed electrical cabinet

External fan design entails a dustproof cabinet, which increases reliability and component service life.

UL approved and certified

Complies with UL requirements for US and Canadian markets.

24 VDC operating voltage

Makes machine safer and with fewer components.

Highest quality VFD

Highest quality for variable frequency drives. Withstands more variations in grinding and is vector controlled for more torque.

CAN bus electrical system

Future-safe and reliable electrical system.

Standard fuses

All fuses are of the automotive type, MID/ATO.

Disconnection protection

Electrical cable connectors are protected against accidental disconnection.

Tilt sensor with overturn guard

Warns when grinding is performed on steep incline and turns off upon overturning.

Quick connectors for electrical accessories

Connect accessories (such as lights) without opening the electrical cabinet.

EMC filter

Produces low leak currents and minimizes problems with ground fault breakers.

HMI

4.3-inch high resolution display

One display for all machine information and settings.

Overload gauge

Shows available and present power.

Tachometer

Allows operator to control grinding disc speeds.

Triple-function operation gauge

Shows hours of operation, meters (requires remote control) or kWh.

Propulsion speed gauge

Shows speed when operating with remote control.

Warning signals in symbol and text format

Clear warnings about operational problems on the screen prevent breakdowns.

Service indicator

Information about service requirements. More info via QR codes or digital support page on Internet.

Data log for troubleshooting

Error log and option for logging a grinding sequence and exporting information via the USB port.

USB port provides several alternatives

Charge your phone, upgrade software or export data such as error logs, data logs, serial numbers, hours of operation, etc.

Choose direction of rotation

Capability to choose direction of rotation for grinding discs.

Vacuum cleaner remote control

Turn off and on, and clean filter via HMI panel (future capability).

PIN code

Lock the machine to prevent use by unauthorized persons with PIN code.

Adjustable display

Easily adjust the angle of the HMI display.

Choose units of measurement

Display in either metric or imperial units of measurement.

Time and date

Time and date display on control panel.

Input voltage

Gauge for input voltage provides overview of network quality, connecting cables, etc.

Motor current

Gauge for motor current shows present torque.

Remote control

4.3-inch high resolution color display on remote control

One display for all machine information and settings.

Remote control

Check all functions, including propulsion speed via remote control.

Propulsion information

Propulsion speed information.

Straight grinding line

"Closed loop" control of the motors provides automatic straight grinding line.

Batteries

More effective batteries that better withstand deep discharges.

Improved drive motors

Stronger to eliminate slowing on ramps and inclines.

Brakes

Parking and emergency brakes.

Transport mode

Higher top speed during transport. Approx. 30 m/min or 1.8 km/h.

Transport wheel

A removable transport wheel can be attached to the chassis during grinding.

Temporary adjustment of propulsion

Capability to temporarily increase/decrease set speed or change direction of travel via joystick.

Dual batteries for remote control

Have a battery charging in the storage compartment at the same time as you are operating the machine.

Aftermarket installation of remote control

Aftermarket package can be installed for remote control.

S-key

Lock remote control to prevent use.

Cable control

Cable can be used for operation where remote control is not permitted.

Pairing

Remote control can be easily paired with the receiver without programming.

Ergonomic carrying hook

Choose carrying hook as option for the remote control to make work easier.

Transport bag

Protect the remote control during transport and keep batteries organized.

Water

Water flow control

The water volume used during wet grinding can be controlled from the HMI panel. Automatic ON/OFF during grinding.

Transparent water hoses

Easy to check.

Water connection

Easy access to water connection with quick coupler. Connected directly to water line.

Easily accessible water filter

Easily accessible, transparent water filter under service hatch.

Closed water tank

Water tank with lid protects the system against dust. Easy to drain.

Water level indicator

Warning for low water level via HMI panel on the machine or remote control.

Aftermarket installation of water package

Choose water package as option or install later. Water package includes MCS system.

Airless MCS system

No need for deaerating the MCS system.

New MCS pump

New auto-deaerating pump (24 VDC) with longer service life, more power and higher flow.

Spray nozzles

4 self-cleaning spray nozzles with less drip after spraying deactivated.

New MCS nozzle

Provides wider spray, less sensitive to wind and an optimized angle to the floor.

MCS control

Control MCS via the HMI panel on the machine or remote control. Automatic ON/OFF during grinding.

Light

Lighting control

Turn the lights on and off individually, front and back, via the control panel on the machine or remote control.

Flexible LED lighting as accessory

Magnetic attachment and long spiral cables for flexible use.

Aftermarket installation of lighting package

Choose lighting package as option or install later.



How to build your DURATIQ

Customize your DURATIQ

Choose the model, equipment and accessories to suit your needs.

1 Choose basic model

6/8 Size
(600 or 800 mm grinding width)

Electric version

Total grinding discs (3 or 4)

Remote control

2 Choose features

Water package

Light package

3 Choose accessories

Extra weights

Electrical cable

Mug holder

Phone holder

Remote control hoop

Remote control bag

R Remote control **X** Four grinding heads **T** Three grinding heads **6/8** Grinding width 600/800 mm



Technical specifications

Model		HTC DURATIQ T6 / RT6 / X6 / RX6	HTC DURATIQ T8 / RT8 / X8 / RX8
Motor power	kW	6/7.5	12 / 15
Current	A	50 / 30 / 15	50 / 30
Voltage	V	1 x 200-240	3 x 200-240
		3 x 200-240	3 x 380-415
		3 x 380-415	3 x 440-480
		3 x 440-480	
Total machine weight	kg	384-441	499-574
Grinding width	etc.	600	800
Grinding pressure	kg	92-223*	152-347*
RPM, grinding discs	rpm	450-1500	430-1430
Water tank	l	13	13
Grinding discs	Ø mm	3 x 230	3 x 270
		4 x 230	4 x 270
Recommended minimum cable area	mm ²	10/6/2.5	10 / 6

*Depending on model and weight position



ENGINEERED FOR YOU

The new DURATIQ from HTC is a floor grinder that takes productivity, reliability, operability and flexibility to an entirely new level.

It is designed for those of you with same goal as us – to always be at the leading edge and create exceptional results.

It's never been easier – or more effortless – to achieve impressive results.

www.duratiq.com

htc-floorsystems.com

