

## Automatic Rider Scrubbers

# CT 160

39/45 Gallon, 28", 32", and 36" Disc, 30" Cylindrical



# IPC Eagle



		BT 70	BT 85	BT 95	BT 75 R
Scrubbing width	inch/mm.	28"/700mm	32"/830mm	36"/920mm	30"/750mm
Squeegee width	inch/mm.	33"/830mm	40"/1010mm	40"/1010mm	40"/1010mm
No. of brushes		2 (disc)	2 (disc)	2 (disc)	2 (cyl.)
Solution tank capacity	Gal/Ltr.	39Gal/145Ltr	39Gal/145Ltr	39Gal/145Ltr	39Gal/145Ltr
Recovery tank capacity	Gal/Ltr.	45Gal/170Ltr	45Gal/170Ltr	45Gal/170Ltr	45Gal/170Ltr
Battery power supply		36V	36V	36V	36V
		325 Ah	325 Ah	325 Ah	325 Ah
Empty weight without batt.	Lbs/kg	777Lbs/353Kg	777Lbs/353Kg	777Lbs/353Kg	777Lbs/353Kg
Length	inch/mm.	68"/1720mm	68"/1720mm	68"/1720mm	68"/1720mm
Width	inch/mm.	33"/830mm	40"/1010mm	40"/1010mm	40"/1010mm
Height	inch/mm.	54"/1360mm	54"/1360mm	54"/1360mm	54"/1360mm



# IPC Gansow

Scrubbers and Sweepers

# CT 160



**Large tank capacity in minimum external space**



39-45 Gallon (145-170 litre) capacity tanks make this model very unique in its category



**Extensive running time**



Extremely large battery compartment allows batteries of up to 325 Ah (5 running time)

# High productivity



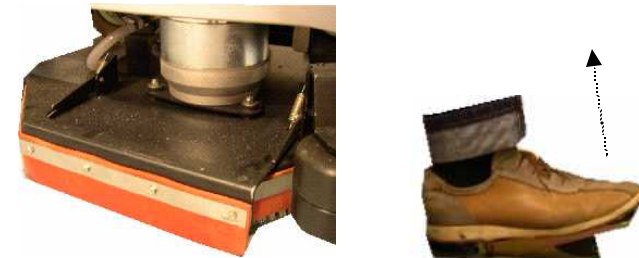
**Solution control with automatic stop**



Saves water and save chemicals. Solution flow stops and starts upon traction pedal command.



**Brush control with automatic delayed stop**



Saves brush wear and protects delicate surfaces. Brush rotation stops (3 sec delay) and starts upon traction pedal command.

# CT 160

## High performance (1)



### Pre-programmed working settings

Each Program can be fully personalized in:

- **Brush function (on or off)**

If only pre-scut is required

- **Vacuum function (on or off)**

If only vacuum function is required

- **Brush pressure -adjustment 22-211 Lbs (10-100Kg)**

The system works by reading the amp draw of the brushes and the pressure is adjusted by an actuator on the brush head. An IPC patent that consists in a spring between the actuator and the brush deck allows immediate brush pressure adjustment without having the actuator being powered constantly.

Example:	P1	P2	P3	MAX
Display nr.	30	50	70	100
Amp	15-18	28-32	35-45	55
Lbs	52-62	88-110	132-158	211
Kg	24-28	40-50	60-72	96

- **Solution pump flow - adjustment .25-2 gal/min.(1-7,5 lt/min) or automatic flow related to speed)**

Solution flow rate can be set for each program but **can be also adjusted manually at any time by the means of the + and – adjustment on the right hand side of the control panel.** Each led corresponds of just over 1 liter flow rate per minute.

The solution flow can also be set in AUTO that connects the solution flow upon the speed of the machine.

- **Speed 0-3.6 mph (0-6Km/h)**

- **Functions stop automatically if pedal released (on or off)**



**3 independent programs allow best settings for all types of applications. Solution flow remains adjustable at any time**

## CT 160



**SLS (Self Levelling System)  
Automatic brush pressure control**

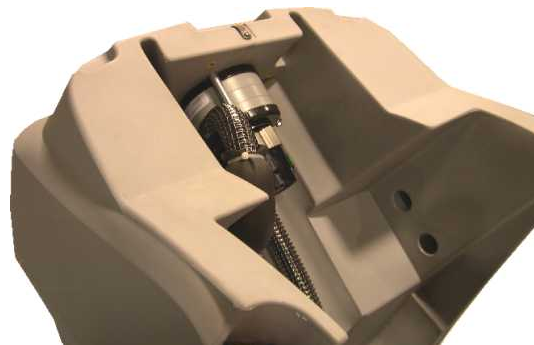
**Patented**



Constant brush pressure with immediate reaction.  
Avoids also excessive brush and actuator wear.



**High quality and performance  
vacuum motor**

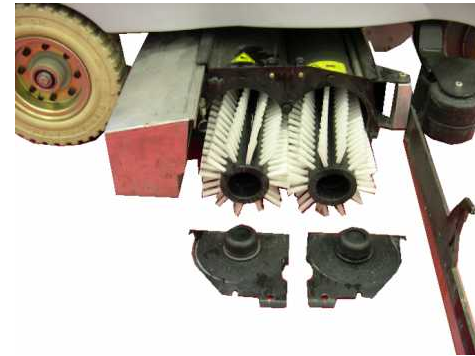


Three stage stainless steel motor, positioned for  
easy maintenance. Only 3 bolts to dismantle  
motor

## High performance (2)



**Cylindrical Scrubbing - Combined  
scrubbing-sweeping system that  
includes debris hopper (R version)**



Brushes can be dismantled without tools

# CT 160



Great maneuverability thanks to an optimum weight distribution



Easy to steer due to the design of the water tanks and battery compartment



Great visibility whilst working



Egg shell design of front part allows ease in maneuverability and great visibility

# Ergonomics, user friendly (1)



Designed to assure minimum noise levels



68 db(A) from 1,5 metre distance



Designed for maximum comfort



Comfortable seating and ergonomic traction pedal. Operator can step on machine from both sides

# CT 160

## Ergonomics, user friendly (2)



**Easy to use control panel**



Just choose Program 1,2 or 3



**Automatic stop (by command release) in working mode**

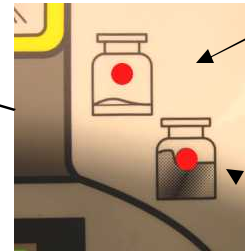
**Brushes  
Solution  
Vacuum  
Traction**



Avoids having to stop and start the machine. All functions stop and start upon traction pedal command.



**Solution tank level indicator**



Top lamp indicates solution reserve and beeper warns that there is around 2 minutes solution left

Bottom lamp together with beeper indicates when recovery tank is full and vacuum fan is automatically switched off.



**Battery level indicator**



The battery is protected as follows:

31V = Display indicates battery in reserve and machine can still work

29V = Display indicates battery to be charged. All functions stop except traction

26V = Machine stops also traction in order to protect battery

# CT 160

## Ergonomics, user friendly (3)



### Solution tank discharge hose



Immediate clean solution discharge if necessary with 1.5" (40 mm.) diameter hose.



### Large recovery tank discharge hose



2.5" (60 mm.) diameter hose for immediate discharge



### Recovery tank can be tilted



Ideal for tank cleaning and rinsing. Smooth internal tank



### Flashing beacon



Maximum visibility and safety

# CT 160



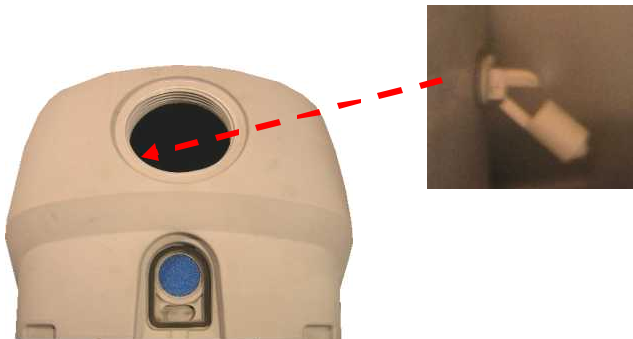
**Inlet and outlet filters for maximum solution tank and circuit protection**



Both filters are easy to remove for cleaning



**AFS (Anti Foam System)**



Vacuum inlet positioned in the highest possible part of the machine. Sensor turns off vacuum fan when recovery tank is full

# Low maintenance costs (1)



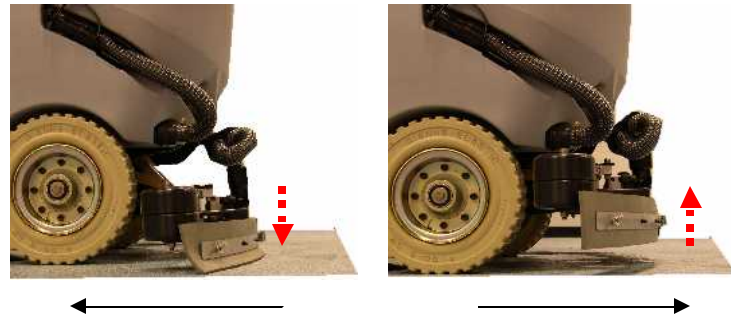
**Spin on, spin off brush/pad drivers**



Automatic brush connection and disconnection



**Automatic squeegee lift in reverse**



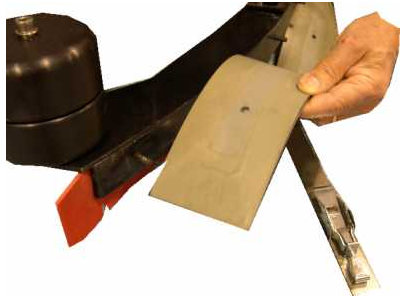
Quick in its function, avoids squeegee blade damage



# CT 160



**Squeegee blade can be used on 4 sides before replacement**

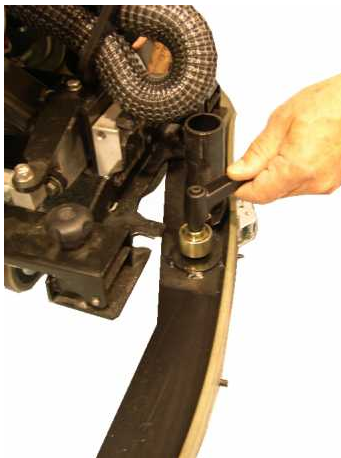


Self adjusting side rubbers

Maximum wear life is obtained



**Squeegee assembly and blades replacement without tools**



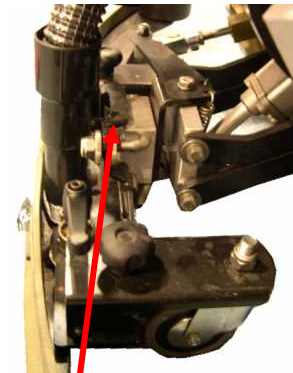
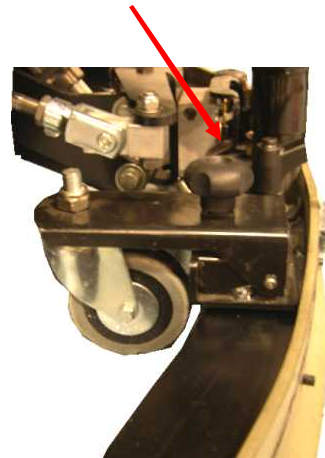
# Low maintenance costs (2)



**Easy access to internal components**



Squeegee pressure adjustment (two wheels)

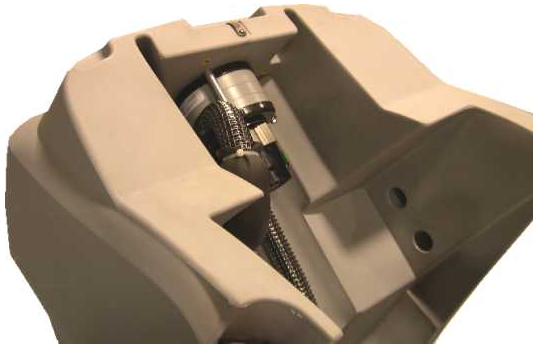


Squeegee angle adjustment

## CT 160



Tanks and surrounding body in high density polyethylene



Brush head designed to absorb harsh impact



## Durability (1)



Oil bath reduction gear box



Independent brush motors with soft start system for maximum motor protection



Motors mounted on rubber silent blocks in order to avoid mechanical vibrations.

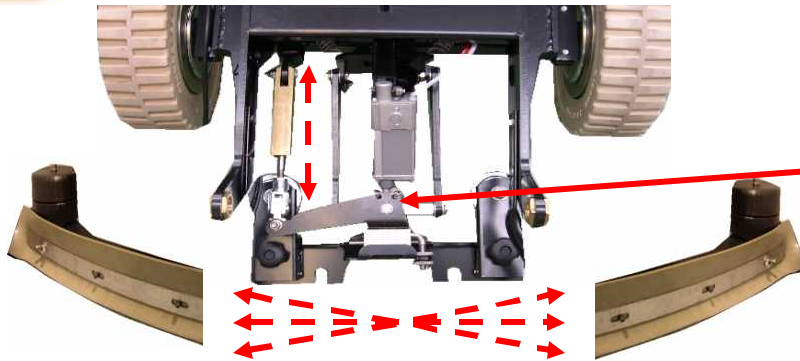
All motors on the machine are equipped with **gradual start** that allow carbon brush life up to 1500 hours, against traditional on-off systems that allow maximum 700 hours.

# CT 160

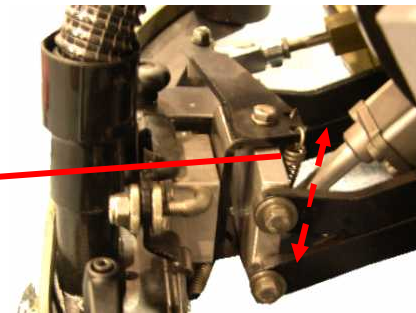
## Durability (2)



**Squeegee system designed to absorb harsh impact**



Maximum squeegee support movement and large rollers for maximum squeegee protection



Squeegee also protected against vertical impact thanks to 2 springs that are connected to the actuator



**Panel control switches protected against water and humidity**



**Large front wheel traction unit**



4" (100 mm) non marking solid tire width for maximum stability