Defining the standard of care for crushing and medication delivery
Product Evolution

The most advanced technical solution for pill crushing and medication delivery

Hammer/Stapler & Pliers
Mortar & Pestle

The Original Pill Crusher
Silent Knight

Problems with crushers that exist today
A survey of Nursing Directors reveals:

96% report poor crushing performance

88% said the process is too long or involves too many steps

82% complained of physical strain

Over \(\frac{2}{3}\) of respondents raised concerns of inaccurate dosing
Key Product Features/Benefits

Introducing First Crush™ Automated Pill Crusher, automated technology that helps people, patients and pets swallow medication accurately and painlessly.

Accurate Dosage
Crush, mix and serve in the same cup avoiding transfer of powder

Care without Compromise
2-3 times more powder lowers patient rejection or clogging of feeding tubes

Fully Automated
Spend more time doing what matters, not holding ‘the bag’

Safe and Sanitary
Proprietary beveled cups with MED-SHIELD, a FDA cleared anti-static eliminates cross contamination

State of Art Technology
Six patented elements, including Dual ‘Crush & Grind’ System

Quiet and Quick Operation
Improves work environment and staffing attitudes

and additional benefits...
Better Utilize Nurse Medpass Time
Reduce Nurse’s Efforts Crushing Meds
More Accurate Dosing
Minimize Tube Clogging
Eliminate Patients ‘spitting’ out Chunks
Powder, not problems!

Today's manual product results. No wonder patients spit-out or tubes clog!

Create powder, not problems
Whether clogging of patient feeding tubes or patient’s spitting out their medication, fineness of powder impacts clinical efficacy.

Across various combinations of the hardest pills to crush (Calciums, Multi-Vitamins, Senakot laxatives), First Crush™ consistently produced more fine powder than the competition for a set period of time and effort.

CompleteRX Cup™
• One cup to crush, mix, and serve.
• Unique MEDSHIELD—FDA-cleared “Static-Free Treatment”

Patented
dual action—
crush & grind technology

Quiet,
one-touch operation

Best-in-the-market granulation

Built-in re-chargeable battery

300 crushes per charge
First Crush™ vs. the competition

Penn State University’s College of Engineering, established in 1896, has a long tradition as one of the country’s leading educators of engineers, and holds one of the nation’s largest programs with over 580 full time faculty members. In the Fall of 2009, the school tested the leading pill crushing systems available on the marketplace as the first step of defining a new standard of care for the healthcare industry.

Over 200% More Fine Powder vs. Competition
Independent Analysis: Penn State Univ. 2009

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Customer testimonials

“This is 100% better than what we do today.”
—Director of Quality Care, Head of Purchasing Committee

“If what we do is a 1 then this is a 10!”
—Director of Purchasing

“Went through my entire med pass with no spit-out—a first for me.”
—LPN for 20 years
Instructions

Two cups are required to reduce contamination; please charge daily for minimum of two hours.

1 **Press** ON button to turn on unit (GREEN light should be ON).

2 **Place** pills into a cup and put second cup on top.

3 **Push** OPEN button and lift lid.

4 **Place** in cups into cup holder and firmly close lid until it latches.

5 **Push** either STANDARD or EXTRA GRIND button.

6 **Remove** both cups and tap TOP cup to remove any residue.
First Crush™ creates powder, not problems

Existing crushers require users to be captive to the crushing process. First Crush™ replaces this effort and frees the nurse to focus on patient care. Even after twice the time and effort, other crushers don’t match First Crush™ performance from a simple push of a button.

Surface Area
Powder will stick to any surface area which comes in contact with the medication. Smaller surface area leads to less medication residue lost in the act of crushing.

Unit Size
The First Crush provide the smallest footprint in the industry, allowing more room on your med cart.

Noise Measurements
The tests were carried out with the decibel meter at 2.0055in away from the units. The noise levels in all cases were less than the OSHA 85 dB 16 hour maximum per day exposure limit.
Specifications

First Crush™ dimensions
LENGTH : 6 5/8” (16.8 cm)
WIDTH : 5 1/2" (14.0 cm)
HEIGHT : 7 7/8” (20.0cm)

Weight
First Crush™ : 3 1/2 lbs (1.6 kg),
With charger : 4 1/2 lbs (2.0 kg)

AC power supply
Class Powered By
Nickel Metal Hydride (NiMH)
AA battery pack
12 VDC, 1500 mAh with thermal (55ºC) and current overload protection

Charging time
MINIMUM: 15 minutes
MAXIMUM: 2 hours

Power on indicator
Green power LED

Auto-Off function conserves battery life

Low battery indicator
Flashing red LED

Input power
120 VAC @ 60 Hz, 15W

Output power
15 VDC @ 600 mA

CompleteRX Cup™ dimensions
WIDTH: 2 1/2”
HEIGHT: 0.85”
CAPACITY: 2.52 in^3 (41.25 mL)

First Crush™ Item # FW01 4 per case crusher
Complete RX Cups™ Item # FW02 1,000 cups per box 6,000 per case

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