

high-capacity

# HCP

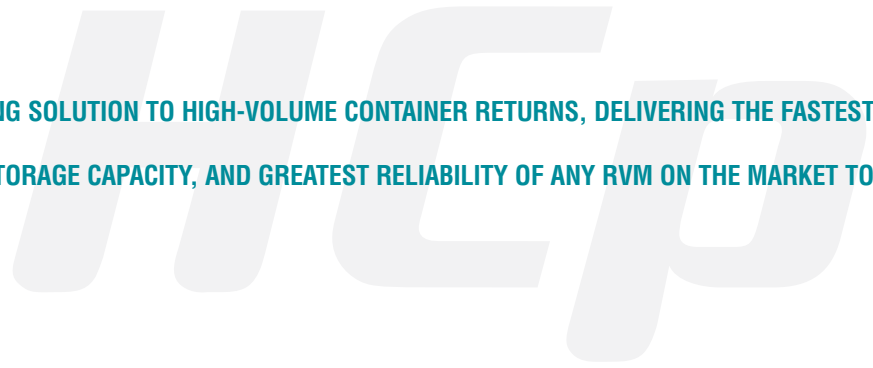
*Breakthrough Reverse  
Vending Machine Technology*



high-speed



TOMRA'S HCP IS THE INDUSTRY-LEADING SOLUTION TO HIGH-VOLUME CONTAINER RETURNS, DELIVERING THE FASTEST CONTAINER RECOGNITION, LARGEST STORAGE CAPACITY, AND GREATEST RELIABILITY OF ANY RVM ON THE MARKET TODAY.



# highest capacity

UP TO THREE TIMES THE CONTAINER CAPACITY IN COMPARABLE FLOOR SPACE SIGNIFICANTLY REDUCES STORE LABOR

HCP increases storage capacity:

- Re-engineered design raises the processing mechanism to accommodate a larger bin
- New compaction technology "out-flattens" the competition, increasing storage of cans by 212% and plastic containers by 200%

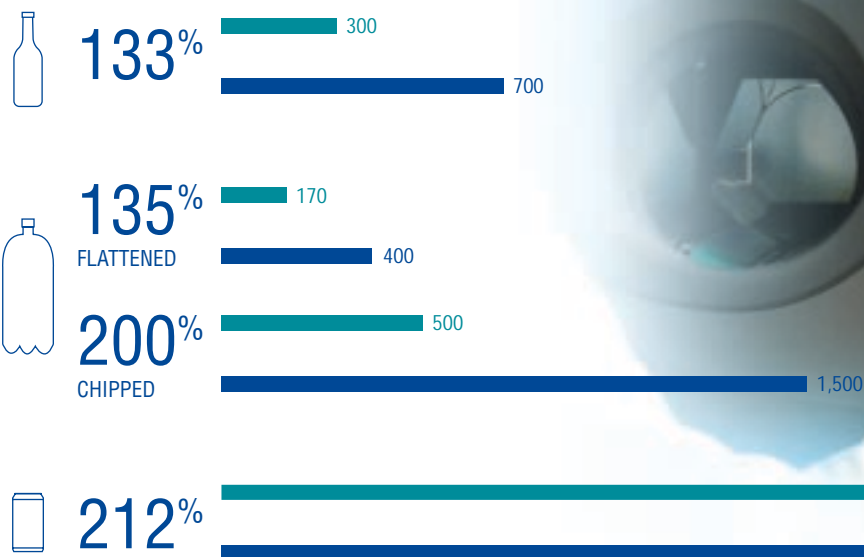


## CAN COMPACTION COMPARISON



**60%**  
GREATER COMPACTION

## CAPACITY COMPARISON



# *fastest* container recognition

**33% FASTER CONTAINER RECOGNITION ELIMINATES CUSTOMER WAITING LINES AND REDUCES THE NUMBER OF MACHINES NEEDED**

HCp recognizes containers quickly:

- Revolutionary photographic recognition system reads 24 images per second for quicker processing with fewer errors
- Improved bar code reader and shape recognition provides quick and precise identification of containers



# *easiest* material-handling

**RE-ENGINEERED TO REDUCE LABOR AND CONSERVE STORAGE SPACE**

HCp utilizes a unique material-handling system:

- Full bins are easily removed via a pallet lift device
- Empty bins fold flat for compact storage
- Bin-changing is less frequent



# *most* reliable

**DESIGNED FOR HASSLE-FREE OPERATIONS TO SIGNIFICANTLY REDUCE MAINTENANCE, LABOR, AND EMPLOYEE INTERVENTION**

HCp is engineered for high reliability:

- Improved machine uptime ensures minimal intervention by store employees
- 80% larger receipt roll for less frequent replacement
- Non-accepted containers are instantly returned at point of insertion, eliminating accumulation problems in reject chute



## Tomra's HCp Crushes the Competition

	INDUSTRY STANDARD	HCp	BENEFIT
<b>SPEED</b>			
Can	1 container / 1.5 seconds	1 container / 1.33 seconds	11% faster
Plastic	1 container / 3 seconds	1 container / 2 seconds	33% faster
Glass	1 container / 2 seconds	1 container / 2 seconds	—
<b>CAPACITY</b>			
Can	1,600	5,000	212% more
Plastic			
Chipped	500	1,500	200% more
Flattened	170	400	135% more
Glass	300	700	133% more
Can / Plastic			
Can	600	800	33% more
Plastic	90	200	122% more
<b>COMPACTION</b>			
Can	5 mm thick	2 mm thick	60% thinner
Plastic	12.5 mm thick	5 mm thick	30% thinner
<b>RECEIPT TAPE</b>	820 feet	1,476 feet	80% larger
<b>ENERGY USAGE</b>	80 watts	65 watts	20% less

### ALL HCp MODELS ARE BUILT TO THE FOLLOWING SPECIFICATIONS:

**Weight:** Approximately 1,000 lbs.

**Measurements:** 30"(w) x 79"(h) x 40"(d)

**Electric:** 208VAC+10%, 60Hz 3-phase

**Environmental:** 50°F - 104°F

**Patents:** One or more of the following patents apply: US pat. No. 5,898,169; 5,934,440; 6,012,588 and 6,137,900. Other US patents pending. Corresponding patents and patent applications in other countries.



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