



ORBIE the systems
approach
to waste
collection

How the cost-saving Orbie system works

Orbie represents one of the most advanced waste collection systems for both private and public operators. And the most innovative feature of the system is its total flexibility. By designing a custom program styled to your needs—offering everything from trucks, disposable garbage bags and commercial containers to uniforms, promotional aids and a computerized routing service, it brings modern systems technology to solid waste collection.

The combination of the right Orbital-type trucks and disposable garbage bags instead of cans, provides cleaner, quieter, safer collection at up to 50% less cost.

Many collection systems are popular with the operator. Others are attractive to the consumer. Creating one that's efficient and appealing to both is rare. Orbie is that system.

Disposable Bags Customers receive a supply of disposable garbage bags to use which replace conventional trash cans. Bags are tough, weather-resistant, lightweight and hold 30 gallons of garbage. Customers prefer the bags because there's no more clatter of metal cans and no more can scrubbing, sanitizing or replacement.

Easy Pick-up When the bag is full, the customer just puts it out for pick-up. The one-way, lightweight bags are then simply tossed into the truck. Because there are no cans to lift and carry, pick-up crews can speed collection time up to 50%. It's cleaner, quieter, easier, safer work, so crew morale is improved.

Goodbye Germs Disposable bags are more sanitary than cans because any germs disappear into the truck along with the bags. There are no more noisy cans to clatter and roll down the street. And unsightly scraps of litter become a thing of the past.

*Disposable bags
can speed collection
by up to 50%*





A type of truck to serve every operator's needs

Once there was just one. But now Orbie trucks are available in three different sizes, so you can select the truck that fits your needs best. Or, perhaps, all three trucks, or a combination. The flexibility of the systems approach makes Orbie the system for today.

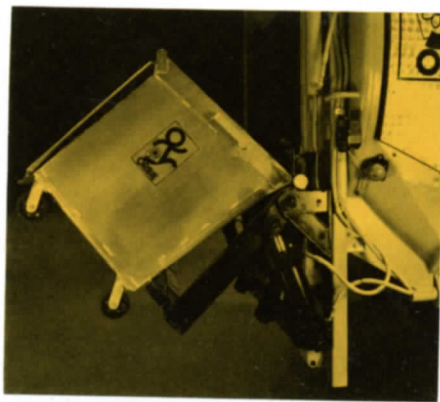
Orbie trucks are up to 60% quieter than standard trucks, because there's no blade to bang, no noisy compaction cycle, no motor strain. And they use up to 50% less fuel, which not only saves money but reduces air pollution. The truck body consists of a steel cylinder lined with spiral ribs. The drum rotates by means of a planetary gear drive hydraulically driven by a power take-off unit mounted on the automatic transmission. As garbage enters the drum, it is forced through a small opening and against a stationary blade. This breaks up large and heavy items. Most bulky trash, such as old furniture, is shredded and compacted limiting the need for special pick-up trucks and extra crews. And horizontal discharge eliminates the danger of tipping.

Orbie 202A The heavyweight. The Orbie 202A can pack out up to 24,000 pounds. A real plus for productivity. And unloading is minimized—all it takes is 3 to 4 minutes.

The truck is available in either gasoline or diesel models, and it comes with steel-belted radial tires, power steering, engine gauges, automatic transmission and many other features usually listed as extra-cost options.

Orbie 202B Similar to the 202A, it has a single axle. And it packs out up to 16,000 pounds. The Orbie 202B has automatic transmission, 53 gallon safety fuel tank and most of the other features of the larger 202A.

Orbie 850 Sometimes called the Orbie mini-truck. It has the ability to compact over 10,000 pounds of waste. It's the ideal truck for alleys and other hard-to-get-into areas. And the Orbie 850 can digest a wide range of garbage—from the usual kitchen assortment to bulk trash.



Commercial Containers: an important option The Orbie truck hoist system provides maximum container handling capability. All three Orbie trucks can handle commercial containers from one to 6 cubic yards capacity. Containers are available as part of the system.

All Orbie trucks handle containers with ease

Computerized routing service

Traffic jams, school buses, one-way streets, railroad crossings—all slow trash collection down to an expensive crawl, wasting thousands of man hours and thousands of dollars in overtime each year.

But there's a way to beat it. How? Through Optimal Routing, a computerized approach that defines the most efficient collection routes to use. It's just one of the many features of Orbie, the unique, total waste collection system.

Our researchers compile data on street layouts, location and number of dwelling units, street restrictions, travel speeds and collection times for each block face. Refuse patterns are analyzed by income and age group, along with other factors such as seasonal fluctuations, holiday peaks, truck capacities, collection time restrictions, contract agreements, dump-site capability and many other considerations.

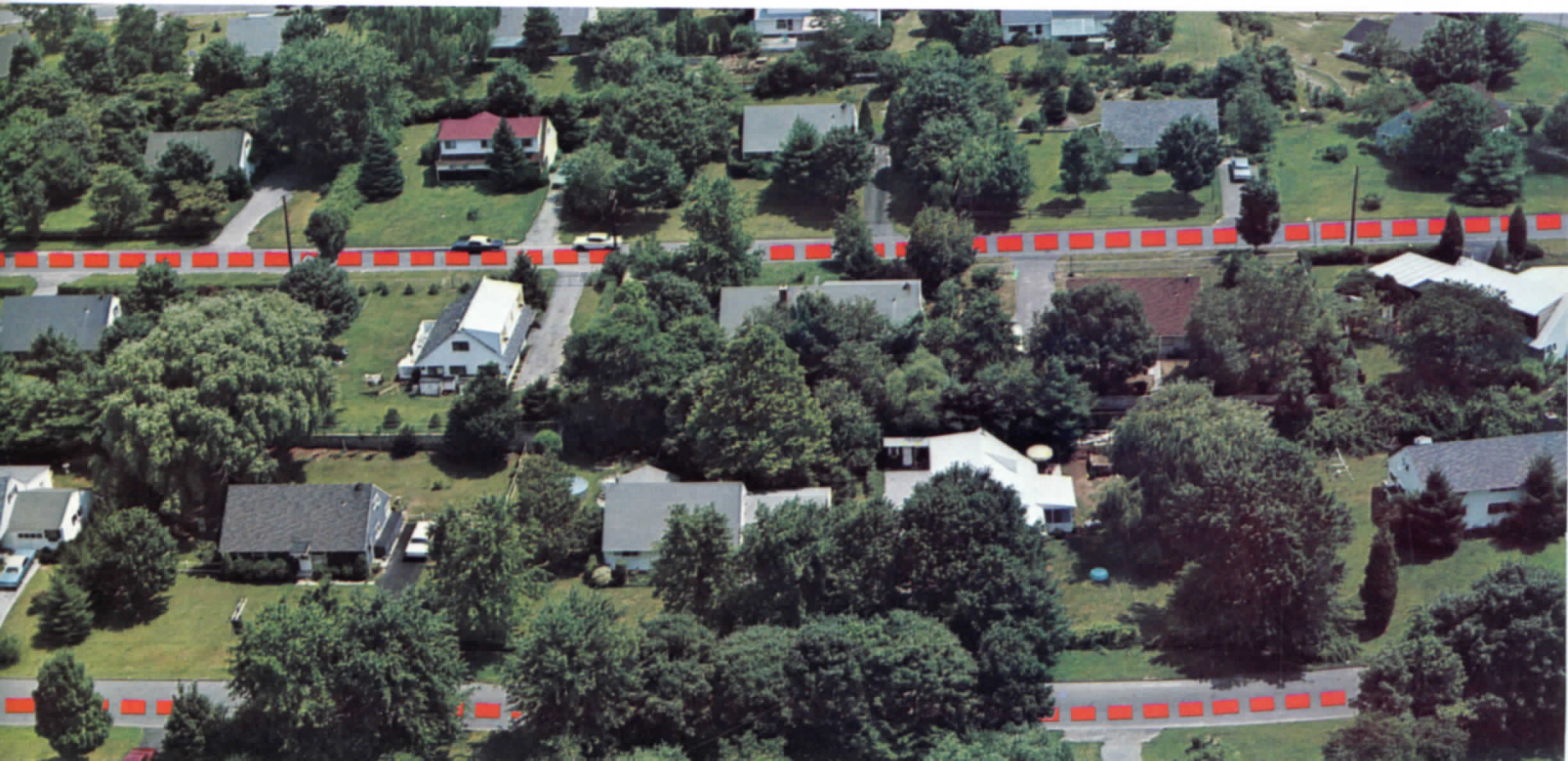
After the information is analyzed and processed at our computer center, a full set of scientifically determined street routes for every workday for every truck is provided. The result: an overall plan that meets full collection standards with a minimum of crews, trucks and routes.

Planned routing can save thousands of dollars a year



Lightweight bags are easy to carry

Your Choice of Disposable Bags You can choose either paper or plastic refuse sacks. Wherever tested, the disposable sacks are clearly preferred over cans and tubs by both operators and consumers. The reasons: they're more sanitary, there's no messy cans to clean, and neighborhood appearance is improved. Also, bags are easier to toss, resulting in fewer injuries and higher productivity of labor as well as improved morale and lower insurance rates. Your choice of disposable bags and bag specifications are yet another part of Orbie's total flexibility.





Clean, safe, lightweight bags improve crew morale

Everything from software to hardware

All of the components of the Orbie system can be tailored in a variety of ways to meet customer needs. Whether you're a large operator or small. Whether your customers are commercial or residential. Or whether you plan to expand within the next two months or within the next two years.

While the Orbie truck is the single most important element in the system, it takes more than a great truck to make a great system. It's the combination of components that makes Orbie unique. Its ability to accommodate commercial containers. The hoist system. The disposable bags. And the Computerized Routing service.

Those are the major components. But there are many other features, too.

Useful aids such as easy-to-understand operating

manuals that provide complete instructions on procedures, maintenance, collection and employee motivation.

Attractive and durable uniforms which are designed for cold or hot weather, and for rain or shine.

Optional aids such as insurance and computerized billing/accounting services.

And, most importantly, major national and local communications programs to educate consumers about the need for a progressive and total collection system.

Orbie represents the most advanced waste collection method for both private and public operators. And it is the type of system now being utilized in progressive communities throughout the world.



Orbie 202 A



Orbie 202 B

Typical truck features

	202A	202B
Chassis Cab Weight	14,200 #	9900 #
Body (Dry)	11,300 #	8300 #
Payload	up to 24,000 #	up to 16,000 #
Total	up to 49,500 #	up to 34,200 #
GVWR	52,800 #	35,000 #
Wheelbase	167"	149"
C.A.	150"	132"
Front Axle	16,000 #	12,000 #
Rear Axle	38,000 #	23,000 #
Safety Fuel Tank	66 gallons	53 gallons

Frame reinforcement • Two front tow eyes • Steel belted radial tires, all wheels • Power steering • Gasoline or diesel engine, minimum 210 HP • Allison automatic transmission, MT-650 • Transmission cooling unit • Anti-skid brake system • Complete engine gauges • Tachometer with engine hour meter • Vertical muffler & tail pipe • Fresh air heater and defroster • Back up warning horn •



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