TECHNOLOGICALLY ADVANCED
MATERIAL RECOVERY FACILITIES & EQUIPMENT

TROMMELS
DISC SCREENS
OPTICAL SORTERS
BALERS
INTELLIGENCE
The CP Group of Companies is comprised of 5 industry-proven brands and provides the waste and recycling industry a single source solution for Material Recovery Facilities and equipment. With over 155 years of combined company experience, the CP Group has established itself as a pioneer and leader in the field of recycling equipment and waste management innovation.

We are unique among equipment vendors in that we own and operate a MRF in San Diego, CA, which serves as an R&D facility where we put our new innovations to test. More importantly, being an operator of this 20 TPH single stream facility gives us key insight into our customer’s perspective unmatched by other equipment vendors. We understand the importance of durable, dependable and innovative equipment with ongoing customer support to run a successful operation.

### OUR SOLUTIONS

**Material Recovery Facilities:**
- Single Stream Recycling
- Municipal Solid Waste (MSW)
- Engineered Fuel (EFE)
- Construction & Demolition (C&D)
- Commercial & Industrial (C&I)
- e-Waste and more

**Recycling Equipment:**
- Balers
- Compactors
- Disc Screens
- Trommel Screens
- Optical Sorters
- Intelligent Motor Controls
- Can Densifiers/Flakes
- Air Classifiers and more

### OUR PEOPLE

The waste and recycling industry demands durable equipment, proactive innovation, and professional service. Our most valuable asset is our dedicated staff of over 300 specialized professionals who regularly deliver, and exceed, industry expectations. We manufacture the industry’s most durable equipment with innovative design. Meeting complex demands across the globe, our team is committed to continuous innovation, equipment longevity, and customer success.

### OUR FOCUS

- Long-term customer success
- Continuous innovation (R&D)
- Equipment safety
- Ethical business practices
- International growth
- Exceeding expectations

Having provided equipment for 6 continents, CP Group has designed/ manufactured and installed over 400 pieces of UBC processing equipment. CP Group continues to lead the industry with innovative design, quality construction, and unsurpassed customer service.
Our team works directly with you to provide the most efficient and effective solutions for your operation. We strive not only to meet your expectations, but to exceed them. Each installation we perform is customized for maximum efficiency, tailored to your specific needs and goals. Dedicated to your successful operation, our team of skilled professionals provides the most innovative technologies in the industry paired with continuous improvement. Thanks to our multiple office and warehouse locations worldwide, you always have attentive service and parts when you need them.

We set you up for success from the initial design layout of your facility to production, installation, execution, and beyond.
CP was one of the first to engineer and manufacture single-stream recycling systems. We have been recognized for decades as the leader in single stream recycling technology, setting standards and raising the bar on performance and efficiency across the globe. Our systems feature the proprietary cam-disc style CPScreen™ that delivers excellent separation of 2D and 3D material, paired with low maintenance and high throughput.

**Optical sorter that separates OCC and “non-fiber” contaminants from newspaper and mixed paper grades to produce 3 output products from 1 input.**

**CPScreen™**
This layout defines a 40 TPH system. We offer systems 10 TPH - 100 TPH.
MSW + ENGINEERED FUELS

We provide the most advanced systems and equipment for Municipal Solid Waste (MSW) processing. Our equipment—designed for durability and ruggedness for this type of demanding application—is field-proven to provide maximum throughput, recovery rates, and end-product quality.

Our MSW recycling systems are used as front-end separation systems for engineered fuels technologies, like refuse derived fuel (RDF). Our equipment makes it possible to extract recyclables at the highest recovery rates and produce the specific feed for energy conversions while removing harmful contaminants. We answer the demand for the effective processing of waste and recovery of recyclables.

- **Metering Drum**: Provides a constant and even material feed rate into the system, featuring a heavy-duty rotating drum that prevents surges of material on the presort conveyor.
- **Overbelt Magnet**: Magnet for high volume ferrous separation and recovery, tough and rugged design that performs under the harshest conditions.
- **Drum Magnet**: Powerful magnet that allows for quick and efficient separation and recovery of ferrous material from the stream.
- **Trommel**: Uses a revolving screened cylinder to accomplish the separation of material by size with adjustable screening capabilities; opens bags and increases system capacity and throughput.
- **Air Knife Separator**: High-capacity solution to remove un-pickable fractions from the stream, such as fibers, plastics, foil and other “light”, by our partner Impact Air.
- **Silo Blower**: Transfers “lights” and eliminates the need for multiple conveyors with immediate transfer of container into storage, saving space and money.
- **Two-Ram Baler**: TR-1388 has 200hp of force to produce multi-material bales at the highest production and throughput rates with the exclusive Pre-Compression Lid™.
- **Optical Sorter**: Optical sorter that employs highly advanced NIR sensor technology to classify polymers, various fiber grades, as well as other materials such as aseptic packaging.
- **CIRRUS™**: Our newest optical sorter, featuring new high-resolution NIR/color sensor providing the ultimate separation performance for plastics, e-scrap, and other small particle applications.

This layout depicts a 50 TPH system.

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COMMERCIAL & INDUSTRIAL

Whether your material stream originates from factories, offices, restaurants, institutions, distribution centers, or retail shops, our experienced design team will work with you to design the optimum system layout for your needs and specifications, helping you recover valuable commodities in your Commercial and Industrial (C&I) system. C&I material generally consists of office waste, product packaging, production waste, and can include fiber, cardboard (OCC), wood, metals, glass, textiles, containers and other materials. Our patented technology is key to ensuring materials are separated and recovered with maximum efficiency.

Metering Drum

Uses a revolving screened cylinder to accomplish the separation of material by size with adjustable screening capabilities, increasing system capacity and throughput.

Optimization of MRF through system automation, providing highly developed industrial automation and control solutions.

Air Knife Separator

Provides a constant and even material feed rate into the system, featuring a heavy duty rotating drum that prevents surges of material on the presort conveyor.

Trammel

High capacity solution to remove un-pickable fractions from the stream, such as fibers, plastics, foil and other "lights" by our partner, Impact Air.

CPScreen™

Automatically separates small fibers from containers, and OCC from 3D material with long-lasting, patented rubber cam-style discs especially engineered to have consistent spacing at all points of operation. The discs are highly resistant to both jamming and wrapping.

Two Ram Baler

TR-1388 has 200hp of force to produce multi-material bales at the highest production and throughput rates with the exclusive Pre-Compression Lid™.

Optical sorter that employs highly advanced NIR sensor technology to classify polymers, various fiber grades, as well as other materials such as aseptic packaging.

Sapphire™

Magnet for high volume ferrous separation and recovery. Tough and rugged design that performs under the harshest conditions.

Optical sorter that separates OCC and "non-fiber" contaminants from newspaper and mixed paper grades to produce 3 outputs from 1 input.

CPScreen™

FiberSort™

High capacity solution to remove un-pickable fractions from the stream, such as fibers, plastics, foil and other "lights" by our partner, Impact Air.

Electrical Control Platform

Translates "lights" and eliminates the need for multiple conveyors with immediate transfer of containers into storage, saving space and money.

Drum Magnet

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CPgrp.com
Overbelt Magnet

Our Construction and Demolition (C&D) recycling systems are built to last and built to perform under the harshest conditions. Processing C&D requires extremely resilient equipment. We step up to the plate offering the industry the most durable conveyors and equipment. Combining heavy-duty conveyors with automated screening technology, we can custom design the most rugged and effective C&D recycling system for your operation to recover concrete, wood, metals, glass, fibers, plastics, and other salvaged building components.

Infeed Conveyor

High-quality and durable conveyor, tough and sturdy enough to perform under the harsh conditions of C&D recycling for many years.

Magnet for high-volume ferrous separation and recovery. Tough and rugged design that performs under the harshest conditions.

Trommel

Uses a revolving screened cylinder to accomplish the separation of material by size with adjustable screening capabilities, increasing system capacity and throughput.

Our newest optical sorter, using new high-resolution NIR/color sensor providing the ultimate separation performance for woods, plastics, and other applications.

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The largest and best-built portable C&D sorting conveyor in the industry, the Super Portable sets up easily on virtually any surface, requires no pre-installation investment, and is capable of handling even the biggest and heaviest C&D separation applications. Because the C&D Super Portable is manufactured in large sections and set up on a series of skids and axle frames, it can be installed quickly and easily on any level surface: gravel, pavement, concrete, or dirt. The rugged C&D Super Portable system is extremely dependable, providing recyclers with years of heavy duty cost savings and low-maintenance operation. With the Super Portable, your company will begin to immediately benefit from reduced man-hours, higher throughput, lower costs, and an increase in marketable end products.

**e-WASTE**

Electronic waste (e-Waste) is one of the fastest growing segments of waste generated by the United States. With new technologies emerging at a rapid pace, outdated computers, cell phones, monitors and laptops are being discarded and are ready for “end-of-life management.” e-Waste has a variety of extremely valuable metals, plastics, and minerals to be recovered, as well as very hazardous materials that must be disposed of properly. Due to the inconsistent nature of the materials, e-Waste recycling presents several unique challenges, to which CP Group offers innovative recycling and recovery solutions.

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SEPARATION EQUIPMENT

CPSCREEN™
- Automatically separates small fibers from containers, and 2D from 3D material
- Small screen openings minimize loss of small fibers to container line and maximize capture rate
- Low maintenance, belt-driven screen that is resistant to jamming and wrapping
- High throughput

NEWSCREEN™
- Automatically separates large fiber (ONP) from mixed paper, containers, and debits
- Patented rubber finger discs accurately size material for increased recovery rates
- Lowest disc cost per ton of material
- Shaft and disc designed for reduced wrapping
- High throughput

OCSCREEN™
- Effectively separates old corrugated (OCC) from other mixed fiber, containers and debits
- Aggressive steel discs separate both by size and rigidity, allowing the screen to separate rigid chip from similar steel "soft" newspaper
- Discs specially engineered to have consistent spacing at all points to prevent jamming

Glass Breaker Screen™
- Breaks and separates glass and fines
- Lowest operating-cost screen with the longest lasting discs in the industry
- Opening size between discs do not change with time; minimizes loss of aluminum and PET
- Minimizes contaminants to dramatically improve marketability of other materials

Scalping Screen
- Size-separates material, allowing separation machines downstream of sizing screen to work more efficiently – small containers can be routed past ONP screens or large containers can be routed past eddy current separator
- Low maintenance screen with long lasting steel discs

Glass Trommel Screen
- Separation of fines from large and medium glass paper and other scrap
- Retractable cover for ease of maintenance
- Dual barred option decreases space requirements
- Very low maintenance
- Customizable screening options up to 4 splits

Trommel Screen
- Separates material by size and shape
- Processes up to 100 TPH of MSW, C&D, and C&I material, with bag opening option
- Increases system throughput per capacity
- Heavy duty design and build
- Options for brush or air cleaning system
- Low maintenance

Glass Clean-Up System
- Efficiently separates lights from glass, maximizing glass end-product quality
- Processes up to 5 TPH
- Utilizes a fully adjustable vacuum system for accurate and efficient separation
- Urethane wear liners increases durability and extends equipment life
40 Years of Innovation:
For the past 40 years MSS has been the leading specialist in sensor-based sorting, developing their own sensor hardware and software in-house and providing top-of-the-line optical sorters that achieve the most efficient separation in the industry. MSS was the first to develop and integrate the concept of in-flight detection, over 15 years ago!

With MSS optical sorting systems you will increase system efficiency and capacity to new levels, recover high-quality products, cut manual labor and maintenance costs while increasing worker safety, improving your bottom line.

Optical Sorter Models:
- CIRRUS™
- L-VIST™
- Alladin™
- FiberSort™
- Sapphire™

Applications:
- Plastics
- e-Scrap
- Paper
- Metals
- Glass
- C&D
- MSW
- Biomass

Committed to Customer Success:
Our innovative technology gives our customers peace of mind knowing they are operating the most efficient and advanced technology for automated sorting. We offer continuous support for guaranteed success and equipment longevity, that’s our commitment.

Complete Line of Innovative Balers:
IPS produces one of the most extensive lines of balers in the recycling industry and with continuous innovation. When the market looked to increase fiber baling production, IPS introduced the double hinged-side Conquest™ (shown right). The innovative IPS hinged-side creates the largest charge box opening in the industry and produces heavy weight bales with high throughput.

IPS proactively developed the patented Two-Ram Bale-Tie when they saw that processors were faced with limited two-ram bale speeds for multi-materials. The TRBT is a unique, high efficiency baler that increases production rates, and most importantly, allows baling to continue during the tying process.

IPS continues their innovation with the new line of sleek and compact High Efficiency Two-Ram balers (shown below). This new line of High Pressure Two-Rams combines the best of technologies in providing high performance (and profits) for the operator. True multi-material baler produces export bales, allowing the operator to take full advantage of the international markets.
THE INTELLIGENT MRF

The CP Group is the leading Material Recovery Facility provider in the industry to offer intelligent solutions for your operation. Our system intelligence, a CP MRF™, improves your operation by giving you the tools needed to improve your bottom line. Key benefits include seamless data-acquisition and control of processing equipment across the plant floor, real-time reporting, integrated diagnostics, with all data and video accessible via internet-based technologies for operators.

• SCADA
• Safety
• Energy Efficiency
• Video Surveillance
• Machine Optimization
• Increased Up-Time
• Real-Time Reporting
• Seamless Data Acquisition
• Remote Troubleshooting
• Siemens Technology Partner

Solution Partner

SIEMENS

Automation

OUR CUSTOMERS TELL IT BEST:

"Best corporate policy of openness and willingness to listen to customer and industry partners is a key factor in our success in building a contact that has, over the years, continually improved vendor safety and efficiency. I am pleased to see CP continuously form an incorporating safety principles into our equipment design and I look forward to seeing what we come from here."

— Stuart Spinks, President/BFI Solutions

"We are very happy with the performance of a high optical sorting unit, it provides us with a consistently high separation efficiency. In addition, MHS provides us with great service support whenever we require it."

— David Schmidt, Owens IND Solutions

"As a facility manager of a high volume single stream MRF and rate as a Region Manager, I must say that I am a big advocate of CP Manufacturing, they always have been very responsive to all of my needs. I am very impressed with their customer service and making sure that they evolve as a leading successful start-up and long-term operation and maintenance. I honor and am very proud of the entire CP team that we are a success story."

— D. Karson, Northeast Regional Manager, EST Solutions

"I was not well informed about working with Krauss in their organizations. The entire team, from their sales engineers I work closely with, Jay to the entire Krauss Service team, are very responsive; they get back to us right away. Apart from that Biffa wanted to maintain our systems, we get multiple options in the latest MRF technology, they work fast and understand our needs to make sure our operation is right. The Krauss staff is truly professional and quick to return to us to work with them."

— Greg Spic, VP, Resource Disposal

"Throughout the design process CP focused on one final goal, the delivery of a state-of-the-art facility in the heart of London. CP’s approach of having our partner in the development of the project from day one ensured that the design focused on the key performance deliverables, quality and reliability through the design stage of the project."

— Neil Adams, Former Divisional Engineering Manager, Biffa

"I have a very close working relationship with the team at CP Manufacturing, I have been working with CP for a little while now and continue to work with them because of the responsiveness of their team and the effectiveness of their equipment. We take great pride in supplying our clients with new products, and CP helps us achieve that."

— Joe Leonard, Plant Manager, ReCommunity

"This DPS baler is a good fit for us. It has the productivity and capacity to handle the materials that we have. We are happy to be helped by Magic City get to the next level. It is definitely almost triple—some of our outputs."

— Max Collardin, Magic City Enterprise

"We are very pleased with our relationship with the Krauss team and enjoy working with them. The equipment and support are running extremely well. The facility was designed to be fast and efficient for our customers and it is. Our Electrical Division, Advanced MRF, helped tremendously and got us backed up and running very fast. In our most important, and indeed, most valuable, we worked with Krauss during a heart attack!"

— Kurt Adams, General Manager, Alberta Waste

"The IPS baler did the job. We have been able to manage resources using its large capacity because the IPS MRF can handle the volume of end products that the facility handles. We are able to maintain a cleaner facility because materials can be sent to the contamination free recycling facility."

— Craig Myers, VP, Healthcare Disposal