

THE FUTURE OF **SOLAR** RECYCLING.

Proprietary recycling technology developed in Taiwan — high glass separation rate, minimal blade wear, and full warranty coverage — Taiwan engineers dispatched on-site.

95-98%

GLASS SEPARATION
RATE

99%

TARGET MATERIAL
RECOVERY RATE

15⁺

RECYCLING SYSTEMS
DEPLOYED
IN 8+ COUNTRIES

ISO⁹⁰⁰¹

QUALITY MANAGEMENT
CERTIFIED

ABOUT REPV TECH

TECHNOLOGY-DRIVEN CIRCULAR RECYCLING

RePV Tech independently develops and operates proprietary solar panel recycling equipment, delivering high-efficiency, low-energy, scalable solutions.

What we found was a structural problem: **recycling operators' revenues are tied to market cycles and commodity prices beyond their control** – while on the downstream side, material disposal keeps generating additional costs with no return. Caught between **unpredictable income and rising processing expenses**, most operators survive only through government subsidies or by charging recycling fees.

RePV set out to change this equation. By developing **proprietary backsheet recovery channels and high-purity glass cullet reuse**, we turn the two largest cost outputs into recoverable assets – giving recycling operators **a path to profitability that does not depend on subsidies** or favourable market conditions.



End-to-End

DOWNSTREAM CHANNELS FOR GLASS, BACKSHEET & CELL RECOVERY – IN-HOUSE

Taiwan-Built

DESIGNED & BUILT IN TAIWAN – ON-SITE SERVICE BACKED BY WARRANTY

2× Recovery

VALUE VS. CONVENTIONAL METHODS

40-60%

CO₂ REDUCTION VS. EXISTING METHODS

LEADERSHIP

Dr. Alex Y.M. Peng

Founder & Chairman

Ph.D. Materials Science,
Univ. of Manchester ·
Former Deputy Director-
General, ITRI



Dr. Stan Shih

Executive Advisor

Co-founder, Acer Group ·
ITRI Laureate · Originator
of the "Smiling Curve"
theory



Dr. Chia-Rui Ou

Senior Strategic
Advisor

Former Director-General,
Bureau of Energy, MOEA ·
20+ yrs energy policy



OUR COMMITMENT

REPV GOLDEN TRIANGLE

Three guarantees built into every machine, every contract, and every partnership.

LOCAL EXPERTISE

TAIWAN-BASED ENGINEERING TEAM

THE REPV
GOLDEN TRIANGLE

48-HOUR
RESPONSE

2-YEAR
FULL WARRANTY

GLOBAL SERVICE

BACKED BY WARRANTY

THE INDUSTRY PROBLEM

MOST VENDORS DISAPPEAR AFTER THE SALE.

- Third-party agents. No accountability.
- Downtime — with no one to call.
- Warranty on paper only.

THE REPV DIFFERENCE

WE STAY — FROM DAY ONE TO YEAR TEN.

- Our engineers fly to your site. No agents.
- 48-hour response. Wherever you are.
- One team. From build to operation.

WHY REPV

MORE REASONS TO CHOOSE US

04



AI ROBOTIC
ARM

05



BACKSHEET
METAL RECOVERY

06



ESG LOW-CARBON
GLASS

07



TRUSTED BY TAIWAN'S
LARGEST RECYCLER

08



FULL MANUAL &
ON-SITE TRAINING

09



MINIMUM LABOUR.
MINIMUM POWER.

FEATURE 10 · THE BIGGER PICTURE

PART OF THE GLOBAL ESG ECOSYSTEM.

RePV connects operators to a verified circular value chain — from recovered materials to certified ESG outputs recognised by regulators, investors, and manufacturers worldwide. Our track record includes a landmark partnership with **ECOVE Environment Corp.** (a CTCL Group company), Taiwan's largest recycling operator — proof that RePV's technology performs at the highest industrial scale.

40–
60%

CO₂ REDUCTION
VS. CONVENTIONAL
METHODS

PRODUCT LINE

OUR MACHINES.



Two configurations designed for different scales and deployment needs — both built around RePV's proprietary milling separation technology and AI-assisted automation.



CL · STANDARD

RePV CoreLine™

Standard Recycling Line · AI-Assisted

<1 min

PER PANEL

>98%

GLASS CLEANLINESS

- Machine learning adapts to diverse panel types & conditions
- High-efficiency milling cutter — produces high-purity glass cullet
- High-purity backsheet output — ready for downstream value extraction
- Robotic arm & AI vision auto-flip — minimal manual handling

FL · FLEXIBLE

RePV FlexLine™

Flexible Solution · Modular & Portable

Carries the full CoreLine technology suite — milling precision, machine learning, and high-purity outputs — in a compact, modular form tailored to your site, scale, and deployment requirements.

- All CoreLine capabilities — adapted to client specifications
- Compact footprint — fits a standard 20-ft container
- Modular & portable — supports mobile or fixed-site deployment
- End-to-end system integration & on-site commissioning

95–98%

GLASS RECOVERY RATE

60 panels/hr

PROCESSING
THROUGHPUT

5 outputs

GLASS · AL · JUNCTION
BOX · BACKSHEET · SI / AG

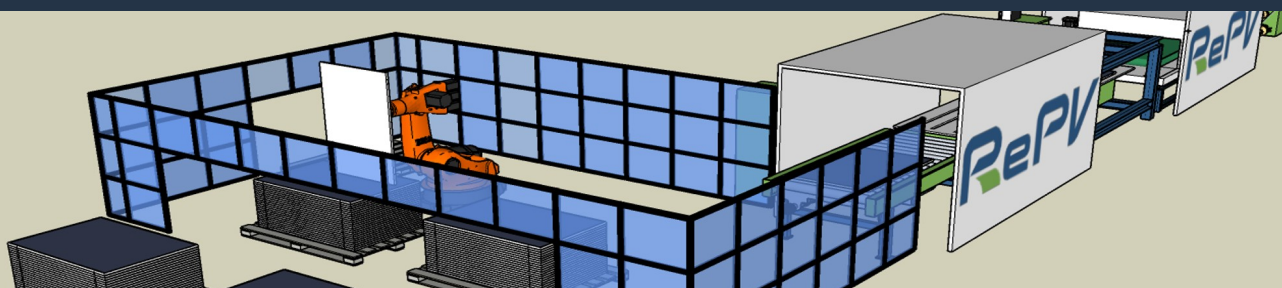
3 operators

TO RUN A FULL LINE

MACHINE TECHNOLOGY

BUILT FOR PERFORMANCE.

Our proprietary recycling equipment is engineered for maximum glass recovery and minimum downtime – designed and built in Taiwan, with full warranty coverage and guaranteed on-site service.



95–98%

GLASS SEPARATION RATE

Industry-leading glass recovery rate achieved through precision blade engineering and optimised heating control – maximising the value of every panel processed.

80%

SPARE PARTS COST REDUCTION

Our proprietary milling cutter system requires replacement only every 3–6 months – compared to conventional grinding methods that demand frequent blade changes, cutting consumable costs by up to 80%.

TW^{based}

WARRANTY-BACKED ON-SITE SERVICE

Every system comes with a 2-year full warranty. Our Taiwan engineering team provides remote guidance as a first response – and will fly directly to your site whenever on-site support is needed. No third-party agents, no exceptions.

TECHNOLOGY COMPARISON

REPV BLADE SYSTEM VS. CONVENTIONAL GRINDING METHODS

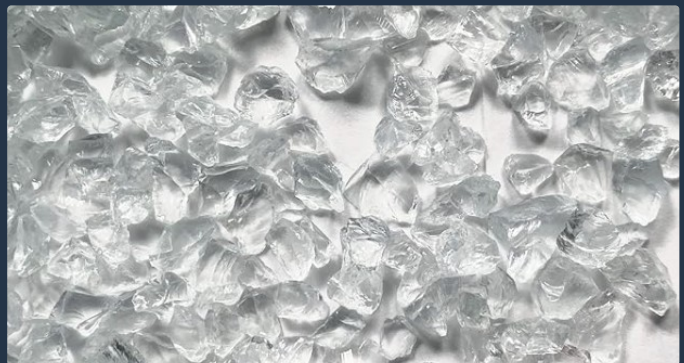
	REPV BLADE SYSTEM	CONVENTIONAL GRINDING METHODS
Glass Separation Rate	95 – 98%	90–95% – surface irregularities leave residue
Spare Parts (Consumable) Cost	Up to 80% lower – cutter lasts 3–6 months	High – blade replacement every 2 weeks
Machine Downtime for Blade Change	Minimal	Full shutdown required
Operating Cost (consumables)	Low	High – frequent replacement
After-sales & Service	Warranty-backed – engineers dispatched on-site	No warranty commitment, no on-site service

BACKSHEET RECYCLING

YOUR BACKSHEET HAS VALUE.

Most recyclers treat backsheet as residual waste — we don't. RePV has established dedicated downstream channels for backsheet material, turning what others discard into a recoverable asset.

For standard volumes, we recycle your backsheet at **no cost to you**. For larger volumes, we offer a **material rebate** — meaning your end-of-life panels can actually generate a return.



Free

Zero-cost backsheet recycling

Rebate

Cash return available for high volume

Downstream

Established channels for material offtake

Zero

Landfill — nothing goes to waste

BACKSHEET RECOVERY PROCESS

01

ENQUIRY

Tell us your volume and panel type. We provide a recycling plan and confirm whether a rebate applies.

02

PICKUP & TRANSPORT

We arrange pickup at your site. Backsheet is segregated and transported to our processing facility.

03

PROCESSING

Backsheet material is cleaned, sorted, and directed to verified downstream offtake partners.

04

SETTLEMENT

Documentation issued confirming recycling. Rebate payment processed for qualifying volumes.

LET'S BUILD SOLAR'S CIRCULAR FUTURE.

Tell us about your panels — volume, location, condition. We'll have a proposal back to you within 48 hours.

WEBSITE

www.repvtech.com

PHONE

+886 03 572-6666
#105

BUSINESS DEVELOPMENT



Po Chang
pochang@repvtech.com

WeChat:
wxid_dyfsosc7w4ud12
WhatsApp: +886-919709715

CTO



James Peng
jamespeng@repvtech.com

WeChat: PPJames13
WhatsApp: +886-912377681