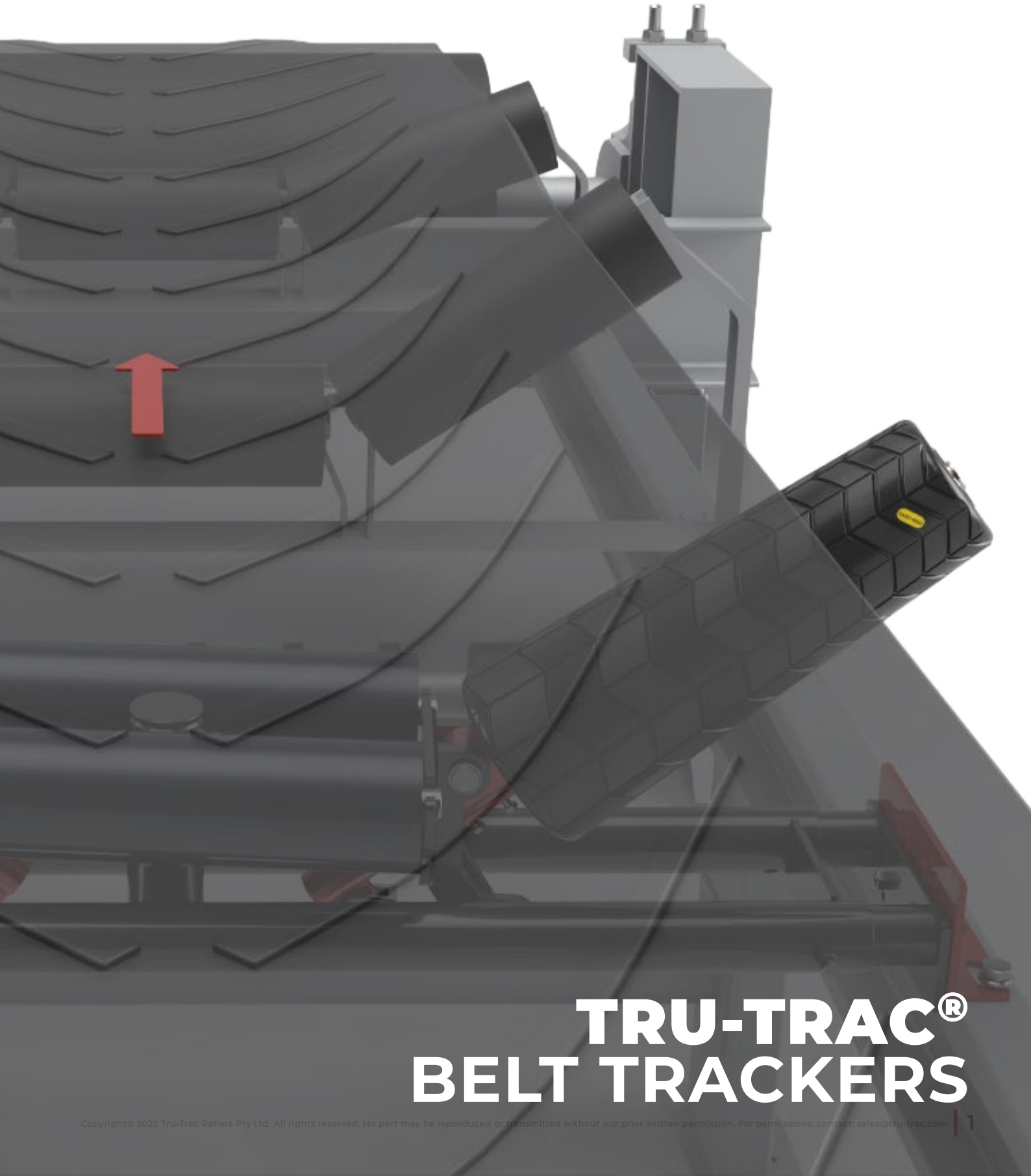
TRU-TRAC®



TRU-TRAC® BELT TRACKERS

2025 FIFTH EDITION

COMPLETE CONVEYOR SOLUTIONS

Optimize your operations

Since 1995, Tru-Trac® has been committed to the production and development of the most effective and reliable conveyor solutions that provide exceptional performance, efficiency and safety. Our products will ultimately reduce downtime and increase production output.

CONTENTS

TRU-TRAC® GLOBAL FOOTPRINT

TRU-TRAC® BRANCHES

SOUTH AFRICA:

- Pretoria (H/O)
- Middelburg
- Steelpoort
- Richardsbay
- Rustenburg
- Kuruman
- Saldanha
- Port Elizabeth
- Springbok

AFRICA:

- Zambia
- Burkina Faso
- DRC
- Botswana
- Zimbabwe
- Mozambique
- Lesotho
- Swaziland
- Ghana
- Mali
- Tanzania
- Kenya
- Namibia

INTERNATIONAL DISTRIBUTORS:

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- New Zealand
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- India
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- South America
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- United Kingdom
- Spain
- Portugal
- Eastern Europe
- Middle East
- New Caledonia

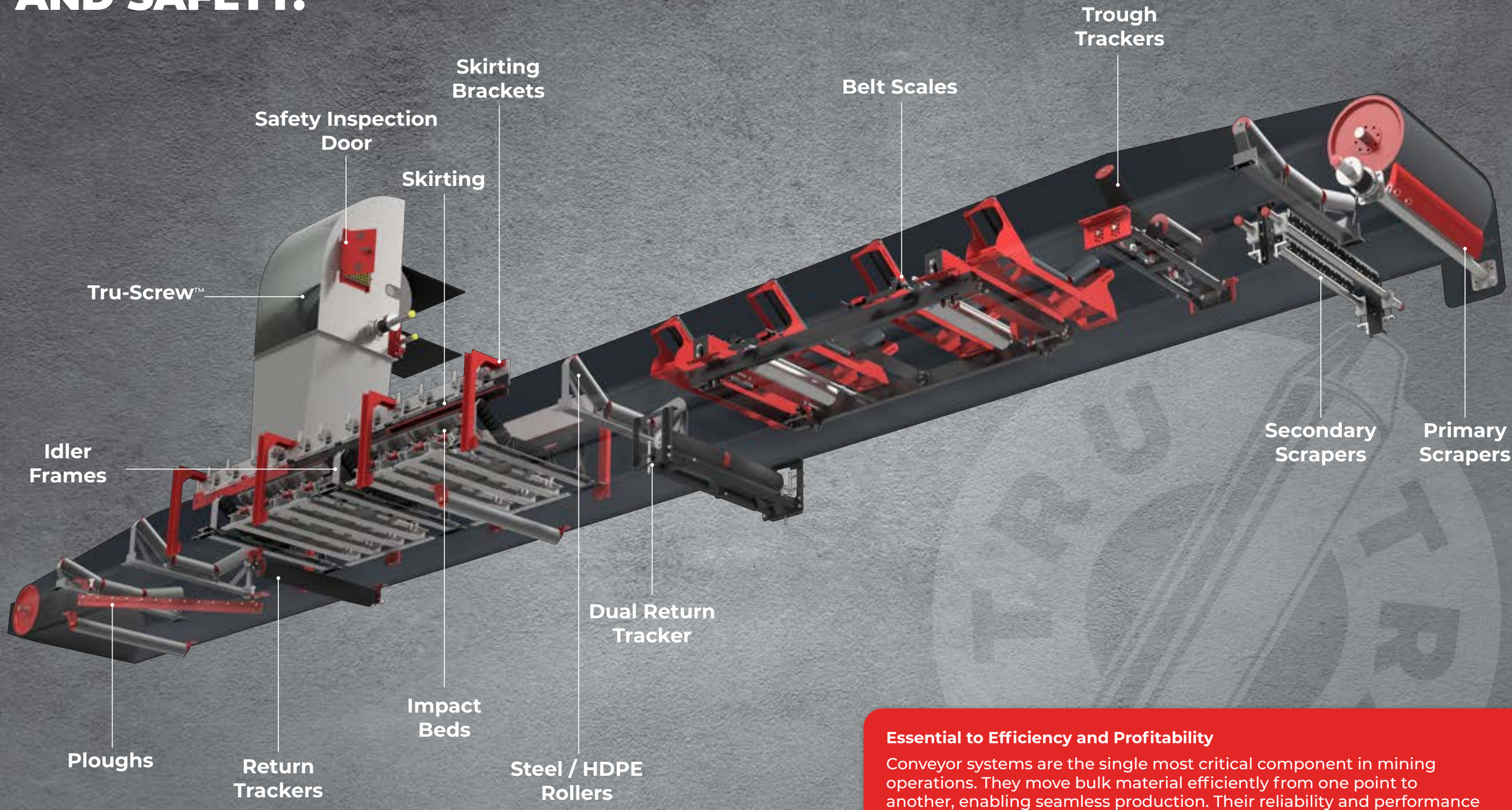
ABOUT US TRU-TRAC®

Tru-Trac® stands as a world-leading manufacturer and supplier of conveyor belt solutions and services, catering to the mining and bulk material handling industries globally. As a South African enterprise with a global reach, Tru-Trac® maintains a direct local technical sales and service presence across the African continent and a sales and distribution network spanning 80 countries.

Conveyors serve as the lifeline for efficient bulk material handling operations, and for nearly 30 years, Tru-Trac® has been instrumental in assisting the world's prominent mining houses to process minerals with enhanced efficiency, reliability, and safety.

We have curated a repository of industry knowledge, technical expertise, and operational scale. This accumulation empowers us to assist our customers in overcoming nearly any conveyor system challenge they may encounter.

MAXIMISE CONVEYOR SYSTEM PERFORMANCE, EFFICIENCY AND SAFETY.



Essential to Efficiency and Profitability

Conveyor systems are the single most critical component in mining operations. They move bulk material efficiently from one point to another, enabling seamless production. Their reliability and performance directly dictate the mine's output, cost efficiency, and profitability.

10 CAUSES OF BELT MISALIGNMENT

01 IDLER FRAMES OUT OF ALIGNMENT:

Misalignment of idler frames in a conveyor system can lead to belt misalignment by disrupting the proper alignment of the idlers, causing the belt to deviate from its intended path.

02 SKEW IDLER FRAMES:

Skew idler frames in a conveyor system can lead to belt misalignment by introducing angular irregularities, causing the belt to deviate from its intended trajectory.

03 HIGH WIND CONDITIONS:

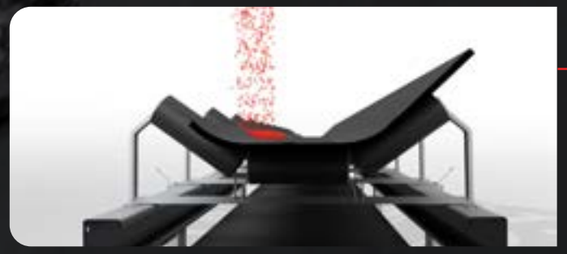
High wind conditions can induce belt misalignment in a conveyor system by exerting lateral forces on the exposed conveyor structure, leading to deviations in the belt's intended path.

04 IDLER FRAME VERTICALLY UNEVEN:

Vertically uneven idler frames in a conveyor system can cause belt misalignment, resulting in the belt straying from its intended path.

05 MATERIAL LOADING OFF CENTRE:

Material loading off-centre can cause belt misalignment in a conveyor system as it creates an uneven distribution of weight and tension, leading the belt to drift to one side.



06 MATERIAL BUILD UP ON PULLEY SURFACE

Accumulation of material on the pulley surface in a conveyor system can induce belt misalignment by causing uneven friction and disrupting the smooth rotation of the pulley.

07 FOREIGN OBJECT STUCK IN CONVEYOR STRUCTURE:

object in conveyor structure can cause belt misalignment in a system by introducing irregularities and hindering smooth movement.

08 SKEW BELT SPLICE:

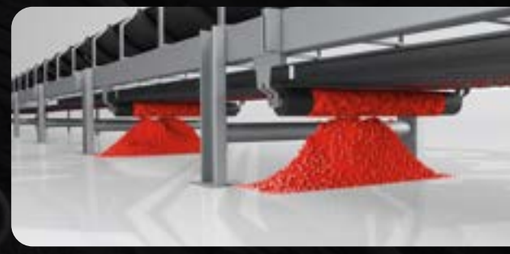
A skew belt splice in a conveyor system can induce belt misalignment by introducing angular irregularities in the splice, disrupting the smooth movement of the belt.

09 STRUCTURE DAMAGE:

Damage to the conveyor structure can lead to belt misalignment by compromising the system's integrity and disrupting the proper alignment of the belt.

10 CARRY BACK:

Accumulated carryback on a conveyor system can result in belt misalignment by introducing additional material and weight, disrupting the equilibrium and causing deviations in the belt's trajectory.



BELT TRACKERS

ELIMINATING BELT MISALIGNMENT WITH HIGH PERFORMANCE TRACKING SOLUTIONS.

Tru-Trac®

BELT TRACKERS

Effective solutions for belt misalignment

Independent academic research highlights Tru-Trac's **patented belt tracker** design as the **most effective solution** to conveyor belt misalignment.

In the **peer-reviewed study** Belt Aligning Revisited (Yurchenko, 2017), Tru-Trac's **unique self-adjusting tracker** was recognised as the **most original and effective device, outperforming traditional methods** and eliminating common issues like **edge wear, spillage, and belt damage**.

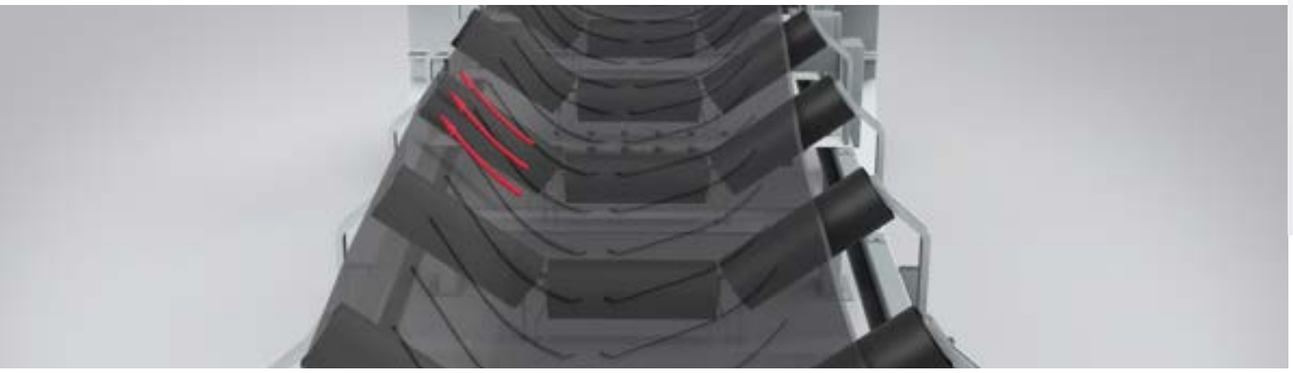
The study confirms that Tru-Trac's technology is essential for **reducing downtime** and **extending belt life** in demanding conveyor applications.

PROBLEM:
BELT MISALIGNMENT

Conveyor belt misalignment is one of the most common, and costly, issues in bulk material handling. When a belt runs off-centre, the impact is immediate:

- **Material Spillage** – Lost product, wasted revenue, and constant clean-up.
- **Belt & Structural Damage** – Accelerated wear, costly replacements, and safety hazards.
- **Production Downtime** – Every stoppage reduces output and profitability.
- **Higher Energy Consumption** – Increased resistance drives up power costs.
- **Labour Inefficiencies** – Teams pulled away from critical work to deal with avoidable issues.

The result: spiralling costs, lost production, and reduced system reliability.

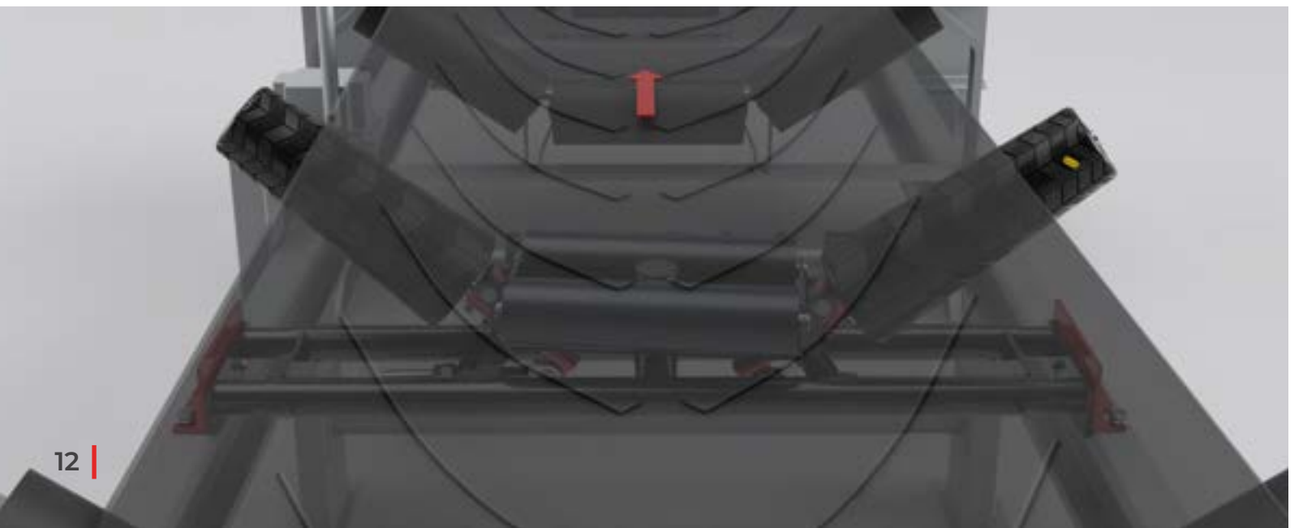


SOLUTION:
TRU-TRAC® TRACKERS

Tru-Trac® is the global leader in conveyor belt tracking. With more successful installations worldwide than any other brand, our systems have become the industry benchmark for preventing and correcting belt misalignment.

- **Pioneering Technology** – Inventors of the patented self-tracking roller, now the global standard.
- **Proven Performance** – Decades of experience and the largest installed base in mining and bulk handling.
- **Comprehensive Range** – The widest selection of solutions for every application and condition.
- **Reliable & Practical** – Easy to install, low-maintenance, consistently keeps belts aligned.
- **Measured Impact** – Cuts spillage, damage, downtime, energy use, and productivity loss.

Trusted by the world's leading operations, Tru-Trac® is the name plants rely on when belt alignment simply cannot be compromised.

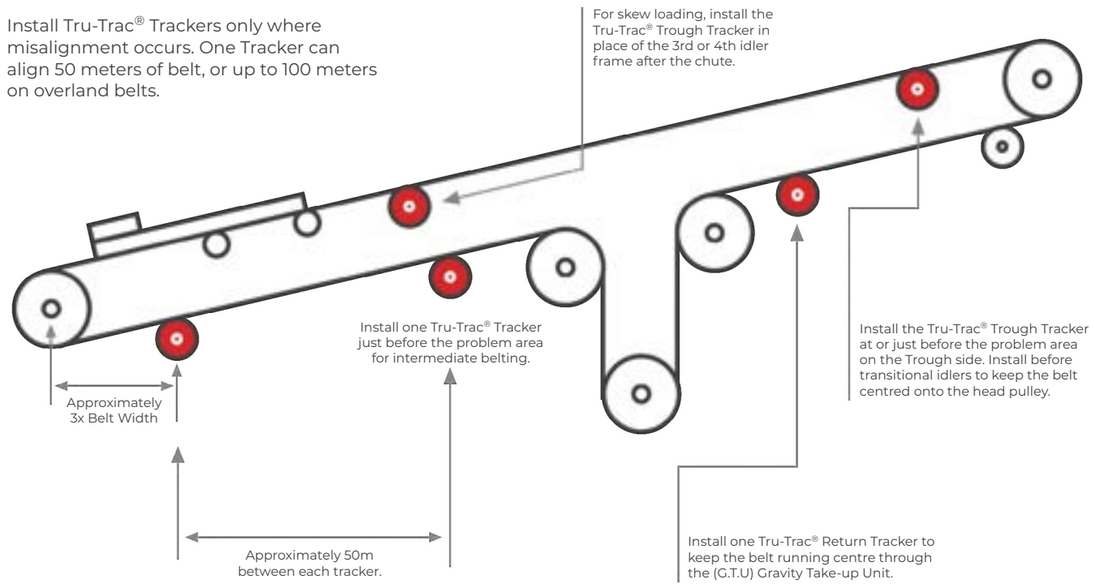


BELT TRACKER TYPES

Tru-Trac® offers a diverse range of belt trackers designed for both the **Return Side (Return Trackers)** and **Top Side (Trough Trackers)** of the belt. Each tracker is meticulously engineered to meet the requirements of specific applications and positions within the conveyor system. Please refer to the table below as a guide for suitable tracker selection.

GUIDELINES FOR INSTALLATION

Install Tru-Trac® Trackers only where misalignment occurs. One Tracker can align 50 meters of belt, or up to 100 meters on overland belts.



RETURN TRACKER
PRODUCT SELECTION GUIDE

Conveyor belt misalignment is one of the most common, and costly, issues in bulk material handling. When a belt Return-side trackers for all applications, easy to install, low-maintenance, long-lasting, and designed to reduce operating costs.

ORDERING INFORMATION | CODE CONVENTION:

(MODEL) - (BWmm) - (LAG) - (OPTIONS)

Model: Type + Series + Duty Class

(see Model Legend)

BW mm = Belt width in millimetres.

(In tables we show mm inches).

LAG = Roll Lagging token

(see Lagging Legend)

OPTIONS = Suffix tokens (if applicable)

(e.g., ,SS Stainless, paint/coating)

PRODUCT CATEGORY	TYPE		MODEL	BELT WIDTH RANGE	BELT TENSION RANGE	BELT CLASS	BELT SPEED	BELT THICKNESS
RETURN TRACKERS (T)	FLAT RETURN (FR)	Q-Series (Q)	**TFRQSD (Q–Series SD)**	450–900mm (18–36")	Low–Medium (40–80 n/mm)	EP200–EP500	0.5–2.5 m/s	EP: 8–14 mm
		Low Speed Series (L))	**TFRLSD (Low Speed SD)**	450–1200mm (18–48")	Low–Medium (40–80 n/mm)	EP200–EP500	<1.0 m/s (L)	EP: 6–12 mm
			TFRLHD (Low Speed HD)*	1350–1500mm (54–60")	Medium (70–140 n/mm)	EP630–EP1000	<1.0 m/s (L)	EP: 10–16 mm
		Apex Series (A)	**TFRASD (Apex SD)**	450–1200mm (18–48")	Medium (70–140 n/mm)	EP400–EP800	1.0–3.5 m/s	EP: 8–16 mm
			TFRAHD (Apex HD)*	1350–1500mm (54–60")	Medium (70–140 n/mm)	EP630–EP1000	1.0–4.0 m/s	EP: 10–18 mm
			TFRAXHD (Apex XHD)*	1350–1500mm (54–60)	Medium–High (80–160 n/mm)	EP630–EP1000	1.0–5.0 m/s	EP: 10–18 mm
		Food Grade Series	**TFRFGLD (Food–grade LD)**	200–1000mm (8–40")	Low–Medium (40–80 n/mm)	EP200–EP500	1.0–3.0 m/s	PVC: 6–10 mm · EP: 6–12 mm
			TFRFGLM (Food–grade LM)*	1050–1500mm (42–60")	Low–Medium (40–80 n/mm)	EP200–EP500	1.0–3.0 m/s	PVC: 6–10 mm · EP: 8–12 mm
		Packaging Industry Series	**TFRPILD (Packaging LD)**	200–1000mm (8–40")	Low–Medium (40–80 n/mm)	EP200–EP500	1.0–3.0 m/s	PVC: 6–10 mm · EP: 6–12 mm
			TFRPILM (Packaging LM)*	1050–1500mm (42–60")	Low–Medium (40–80 n/mm)	EP200–EP500	1.0–3.0 m/s	PVC: 6–10 mm · EP: 8–12 mm
	Crossover rule: Default to Dual/V-Return when BW ≥ 1350 mm, speed > 3.5 m/s, or belt is ST.							
	DUAL RETURN (DR)	Low Speed Series	**TDRLHD (Apex Low Speed HD)**	1200–2100mm (48–84")	Medium (70–140 n/mm)	EP630–EP1000 / ST800–ST1600	<1.0 m/s (L)	EP: 10–18 mm · ST: 12–20 mm
		Apex Series (A)	**TDRAHD (Apex HD)**	1200–2100mm (48–84")	Medium–High (80–160 n/mm)	EP800–EP1250 / ST1200–ST1800	>1.0–3.5 m/s	EP: 12–22 mm · ST: 14–24 mm
			TDRAXHD (Apex XHD)	1200–2100mm (48–84")	Medium–High (100–250 n/mm)	EP1000–EP1600 / ST1600–ST2500	3.5–5.0 m/s	EP: 14–26 mm · ST: 16–28 mm
			TDRAEXHD (EXHD)	1500–3000mm (60–120")	High (180–315 n/mm)	EP1600–EP2000 / ST2000–ST5000	5.0–10.0 m/s	EP: 18–32 mm · ST: 20–36 mm
			TDRAUHD (Ultra)	1500–3000mm (60–120")	High (≥250 n/mm)	EP2000 / ST3500–ST8000	<10.0 m/s (UHD)	EP: 20–36 mm · ST: 22–40 mm
	V-RETURN TRACKERS (VR)	Apex Series (A)	**TVRAHD (HD)**	1200–2100mm (48–84")	Medium (70–140 n/mm)	EP630–EP1000 / ST1600–ST2500	>1.0–3.5 m/s	EP: 12–20 mm · ST: 14–24 mm
			TVRAXHD (XHD)	1200–2100mm (48–84")	Medium–High (80–160 n/mm)	EP800–EP1250 / ST1600–ST2500	3.5–5.0 m/s	EP: 14–24 mm · ST: 16–26 mm
			TVRAEXHD (EXHD)	1500–3000mm (60–120")	High (≥250 n/mm)	EP1600–EP2000 / ST2000–ST5000	5.0–10.0 m/s	EP: 18–32 mm · ST: 20–36 mm
			TVRAUHD (Ultra)	1500–3000mm (60–120)	High (≥250 n/mm)	EP2000 / ST3500–ST8000	<10.0 m/s (UHD)	EP: 20–36 mm · ST: 22–40 mm

Notes:

- ****Flat Return conditional use (1350–1500 mm):*** EP/PVC only; belt speed ≤ 3.0 m/s (L ≤ 1.0 m/s); operating tension ≤ 120 N/mm (L-HD ≤ 140 N/mm); return-side tracker spacing ≤ 15 m. If any condition isn't met → select Dual or V-Return.
- ***Lagging availability:*** Grip-Trac® (RGN/RGHA/RGFRAS) available up to 2100 mm only.
- ***Reversible belts***: All ranges except Low Speed are suitable for reversible operation.
- ***V-Return consideration:*** When high tension reduces belt contact across the roller face (typically at the centre), consult Engineering to verify suitability and adjust the design as needed.

Engineering disclaimer
For specialized, high-demand, or critical applications — or where conditions fall outside these envelopes — consult the Tru-Trac Engineering Team for verification of spacing, roll Ø, lagging compound, and mounting postion.

RETURN TRACKER CODES

Step 1: Select Type & Model using Application Selection Guide (Return Trackers)

a. Use this to **choose MODEL** first; then

b. **Build code:** MODEL+ BWmm +LAG (refer to LAG selection guide table) + OPTIONS (if applicable)
Example: TFRAHD1550RGM

PRODUCT CATEGORY	TYPE	SERIES	DUTY CLASS	MODEL (ORDER CODE)	BW MM (IN.)	LAG OPTIONS (CODES)
RETURN TRACKERS (T)	FLAT RETURN (FR)	Q-Series (Q)	Standard Light Duty (SD)	**TFRQSD**	**450–900 (18–36)**	**RGN / RGHA / RGFRAS / PFR**
		Low Speed (L)	Standard Duty (SD)	**TFRLSD**	**450–1200 (18–48)**	**RGN / RGHA / RGFRAS / PFR**
			Heavy Duty (HD)	**TFRLHD***	**1350–1500 w(54–60)**	**RGN / RGHA / RGFRAS / PFR**
		Apex Series (A)	Standard Duty (SD)	**TFRASD**	**450–1200 (18–48)**	**RGN / RGHA / RGFRAS / PFR**
			Heavy Duty (HD)	**TFRAHD***	**1350–1500 (54–60)**	**RGN / RGHA / RGFRAS / PFR**
			X-Heavy Duty (XHD)	**TFRAXHD**	**1350–1500mm (54–60)**	**RGN / RGHA / RGFRAS / PFR**
		Food Grade Series (FG)	Light Duty (LD)	**TFRFGLD**	**200–1000 (8–40)**	**PFG (food)**
			Light Medium Duty (LM)	**TFRFGLM**	**1050–1500 (42–60)**	**PFG (food)**
		Packaging Industry Series (PI)	Light Duty (LD)	**TFRPILD**	**200–1000 (8–40)**	**RGN / RGHA / RGFRAS / PFR**
			Light Medium Duty (LM)	**TFRPILM***	**1050–1500 (42–60)**	**RGN / RGHA / RGFRAS / PFR**
	DUAL RETURN (DR)	Low Speed (L)	Low Speed (L)	**TDRLHD**	**1200–2100 (48–84)**	**RGN / RGHA / RGFRAS / PFR**
		Apex Series (A)	Heavy Duty (HD)	**TDRAHD**	**1200–2100 (48–84)**	**RGN / RGHA / RGFRAS / PFR**
			X-Heavy Duty (XHD)	**TDRAXHD**	**1200–2100 (48–84)**	**RGN / RGHA / RGFRAS / PFR**
			Extra Heavy Duty (EXHD)	**TDRAEXHD**	**1500–3000 (60–120)**	**≤2100: RGN / RGHA / RGFRAS / PFR · >2100: RN / RHA / RFRAS / PFR**
			Ultra Heavy Duty (UHD)	**TDRAUHD**	**1500–3000 (60–120)**	**≤2100: RGN / RGHA / RGFRAS / PFR · >2100: RN / RHA / RFRAS / PFR**
	V-RETURN TRACKERS (VR)	Apex Series (A)	Heavy Duty (HD)	**TVRAHD**	**1200–2100 (48–84)**	**RGN / RGHA / RGFRAS / PFR**
			X-Heavy Duty (XHD)	**TVRAXHD**	**1200–2100 (48–84)**	**RGN / RGHA / RGFRAS / PFR**
			Extra Heavy Duty (EXHD)	**TVRAEXHD**	**1500–3000 (60–120)**	**≤2100: RGN / RGHA / RGFRAS / PFR · >2100: RN / RHA / RFRAS / PFR**
			Ultra Heavy Duty (UHD)	**TVRAUHD**	**1500–3000 (60–120)**	**≤2100: RGN / RGHA / RGFRAS / PFR · >2100: RN / RHA / RFRAS / PFR**

TROUGH TRACKER
PRODUCT SELECTION GUIDE

TYPE	SERIES	MODEL (ORDER CODE)	BELT WIDTH RANGE	BELT TENSION RANGE	BELT TYPE	BELT CLASS	BELT SPEED	BELT THICKNESS	TPH GUIDE-LINE (ρ=1.6)	ADJUSTABLE TROUGHING ANGLES
Trough Tracker (TT)	Apex Series (A)	**TTASD**	450–1200mm (18–48")	Medium (70–140n/mm)	Fabric (EP) / Steel-cord (ST)	EP400–EP800	1.0–3.5m/s	EP: 10–18 mm	**~60 → 1,500 t/h**	**0–60°**
		TTAHD	1050–1500mm (42–60")	Medium–High (80–160n/mm)	Fabric (EP) / Steel-cord (ST)	EP630–EP1000 / ST1200–ST1800	>1.0–3.5m/s	EP: 12–22mm · ST: 14–24mm	**~360 → 2,360 t/h**	**0–60°**
		TTAXHD	1200–2100 mm (48–84")	Medium–High (100–250n/mm))	Fabric (EP) / Steel-cord (ST)	EP1000–EP1600 / ST1600–ST2500	3.5–5.0m/s	EP: 14–26mm ST: 16–28 mm	**~1,500 → 6,600 t/h**	**0–60°**
		TTAEX-HD	1500–3000mm (60–120")	High (180–315n/mm)	Fabric (EP) / Steel-cord (ST)	EP1600–EP2000 / ST2000–ST5000	5.0–10.0m/s	EP: 18–34mm ST: 20–36mm	**~3,350 → 27,000 t/h**	**0–60°**
		TTAUHD	1500–3000mm (60–120")	High (≥250n/mm)	Fabric (EP) / Steel-cord (ST)	EP2000 / ST3500–ST8000	<10.0m/s (UHD)	EP: 20–40mm · ST: 22–40	**~5,060 → 27,000 t/h**	**0–60°**
	Load Series (LD)	**TTLDSD**	900–1500mm (36–60")	Medium–High (80–160n/mm)	Fabric (EP) / Steel-cord (ST)	EP630–EP1000 / ST1200–ST1800	>1.0–3.5m/s	EP: 12–24mm ST: 14–24mm	**~270 → 2,360 t/h**	**25–50°**

TROUGH TRACKER CODES

Step 1: Select Type & Model using Application Selection Guide (Return Trackers)

a. Use this to **choose MODEL** first; then

b. **Build code:** MODEL+ BWmm +LAG (refer to LAG selection guide table) + OPTIONS (if applicable)
Example: TFRAHD1550RGM

TYPE	SERIES	DUTY CLASS	MODEL (ORDER CODE)	BW MM (IN.)	LAG OPTIONS (CODES) *Refer to Lagging selection guide on page 14	BELT TYPE	BELT CLASS	BELT SPEED	BELT THICK-NESS	TPH GUIDELINE (ρ=1.6)
Trough Tracker (TT)	APEX SERIES (A)	STANDARD DUTY (SD)	**TTASD**	**450–1200mm (18–48")**	**RGN / RGHA / RGFRAS / PFR**	Fabric (EP)	EP400–EP800	1.0–3.5m/s	EP: 10–18mm	**~60 → 1,500t/h**
		HEAVY DUTY (HD)	**TTAHD**	**1050–1500mm (42–60")**	**RGN / RGHA / RGFRAS / PFR**	EP / ST	EP630–EP1000 / ST1200–ST1800	>1.0–3.5m/s	EP: 12–22mm · ST: 14–24mm	**~360 → 2,360t/h**
		X-HEAVY DUTY (XHD)	**TTAXHD**	**1200–2100mm (48–84")**	**RGN / RGHA / RGFRAS / PFR**	EP / ST	EP1000–EP1600 / ST1600–ST2500	3.5–5.0m/s	EP: 14–26mm ST: 16–28mm	**~1,500 → 6,600t/h**
		EXTRA HEAVY DUTY (EXHD)	**TTAEXHD**	**1500–3000mm (60–120")**	**≤2100: RGN / RGHA / RGFRAS / PFR · >2100: RN / RHA / RFRAS / PFR**	EP / ST	EP1600–EP2000 / ST2000–ST5000	5.0–10.0m/s	EP: 18–34mm · ST: 20–36mm	**~3,350 → 27,00t/h**
		ULTRA HEAVY DUTY (UHD)	**TTAUHD**	**1500–3000mm (60–120")**	**≤2100: RGN / RGHA / RGFRAS / PFR · >2100: RN / RHA / RFRAS / PFR**	EP / ST	EP2000 / ST3500–ST8000	<10.0m/s (UHD)	EP: 20–40mm · ST: 22–40mm	**~5,060 → 27,000t/h**
	LOAD SERIES (LD)	STANDARD DUTY (SD)	**TTLDSD**	**900–1500mm (36–60")**	**RNA (Centre Roll), Steel Wing Rolls**	EP / ST	EP630–EP1000 / ST1200–ST1800	>1.0–3.5m/s	EP: 12–24mm · ST: 14–24mm	**~270 → 2,360t/h**

Notes:
- Load Trough (use when budget is a constraint and decking plates may restrict installation)
- Reversible belts: All ranges except Load Series are suitable for reversible operation.

Installation Guidelines:
- No trackers in impact zone, under dust skirting. First carry-side tracker goes after the last impact idler / end of deck-plate (≥1 idler pitch downstream).
- Heavy-duty applications (XHD/EXHD/UHD): Install the tracker between two standard idler frames (without removing any frames). This keeps the tracker's centre roll lightly loaded and preserves tracking sensitivity.
- Installation Settings: Set the wing-roll trough angle to ~5 mm higher than the standard idler trough angle.
- Set the tracker height lower than the standard idler height, so the top of the centre rolls of the tracker sits ~20 mm below the underside of the belt.

RETURN & TROUGH TRACKERS
LAGGING SELECTION GUIDE

LAGGING TYPE	LAG CODE	TYPICAL USE	WIDTH BAND (MM/IN)	TRACTION	SUITABLE SPEEDS	WEAR LIFE	TEMP (°C) CONT/INT	SUITABLE BELT TYPES	COMPL-IANCE
GRIP-TRAC® – Natural Rubber	**RGN**	General/wet or variable duty (≤2100 mm): **premium patented profile** boosts traction, **eliminates aquaplaning**, activates faster, and provides a **visible wear indicator**.	450–2100mm (18–83")	**Excellent**	Medium–High	Very Good	80 / 120	EP / ST	—
GRIP-TRAC® – High Abrasion	**RGHA**	Abrasive ores/fines, high throughput (≤2100 mm): all **Grip-Trac®** benefits **plus high-wear compound** for maximum service life.	450–2100mm (18–83")	**Excellent**	Very High	**Excellent**	80 / 120	EP / ST	—
GRIP-TRAC® – FRAS	**RG-FRAS**	Fire-risk/static-control corridors (≤2100 mm): **Grip-Trac®** traction + indicator **with FRAS compliance**.	450–2100mm (18–83")	**Excellent**	Medium–High	Good	80 / 120	EP / ST	**FRAS**
Rubber – Natural	**RN**	Clean, dry general duty or very wide belts: **simple, durable smooth rubber** with good traction when a profile isn't required.	2200–3000mm (86–120")	Very Good	Medium–High	Good	80 / 120	EP / ST	—
Rubber – High Abrasion	**RHA**	Very abrasive or wide/high-energy belts: **smooth high-abrasion rubber** for **highest wear life** in demanding service.	2200–3000mm (86–120")	Good	Medium–High	**Excellent**	80 / 120	EP / ST	—
Rubber – FRAS	**RFRAS**	FRAS-mandated conveyors (surface/UG): **smooth FRAS rubber** that **meets compliance** with dependable traction.	2200–3000mm (86–120")	Very Good	High–Very High	Good	80 / 120	EP / ST	**FRAS**
Polyurethane – FR	**PFR**	Sticky carryback or easy-clean requirement (non-FRAS): **smooth FR PU** for **fast release**, easy hygiene, and long wear across widths.	2200–3000mm (86–120")	Fair–Good	High–Very High	**Excellent**	60 / 95	EP / ST	**FR**
Polyurethane – Food Grade	**PFG**	Food contact/packaging lines: **smooth white food-grade PU—hygienic, cleanable**, excellent wear in light/medium duty.	200–1500mm (8–60")	Fair–Good	Medium–High	**Excellent**	50 / 95	EP / PVC	**Food-Grade**

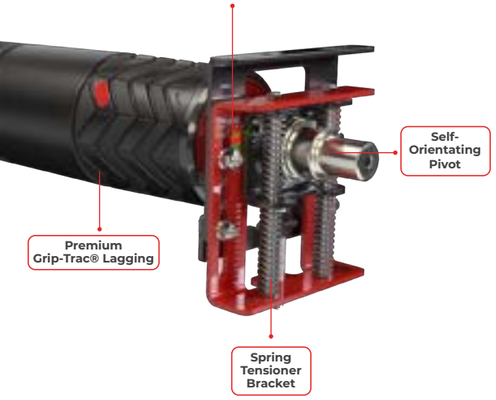
APEX FLAT RETURN TRACKERS

DRIVING OPERATIONAL EXCELLENCE BY ALIGNING BELTS WITH PRODUCTION TARGETS AND SCHEDULED MAINTENANCE

NEW

APEX FLAT RETURN TRACKER RANGE

Key Design Features (All APEX Flat Return Models)



- **Improved Performance:** Designed to correct misalignment early, reducing wear and boosting efficiency.
- **Ease of Installation:** Simple to install with a Tension Indicator for correct positioning.
- **Self-Tensioning Brackets:** Maintain optimal tension for consistent performance.
- **Self-Orienting Pivot:** Ensures optimal belt engagement in any direction.
- **Grip-Trac Rubber:** Engineered for superior traction and abrasion resistance.
- **Unique Tread Pattern:** Enhances control, counters hydroplaning, dissipates heat.
- **Wear Life Indicators:** Show when rollers need replacement.
- **All-Condition Operation:** Suitable for wet/dry belts, reversible, above/below ground.
- **Advanced Sealing System:** Protects bearings and prolongs life.

LAGGING OPTIONS: NATURAL RUBBER HIGH ABRASION RUBBER RUBBER FRAS PU-FR

BRACKET OPTIONS

STANDARD BRACKET

SELF TENSIONING BRACKET

(Ordering Code: BT)

> "I want to thank Tru-Trac for assisting me with my conveyors. Their products have eliminated spillage and misalignment problems, and the quality is excellent. Since I started working here, I have never had any problems with Tru-Trac products. What I appreciate most is their support — any challenge I face in the plant, they respond immediately with effective solutions."
>
> **– Peter Molopo**
>
> GLENCORE

APEX LOW SPEED FLAT RETURN TRACKER - STANDARD DUTY (MODEL CODE: TFRLSD)

Tru-Trac® Apex Low-Speed Flat Return Trackers are built for conveyors running at 1 m/s or slower, with activation guide rolls that accelerate belt correction for precise centering.

MODEL-SPECIFIC HIGHLIGHTS:

- **Offers all the same features:** and benefits as the Apex Standard Flat Return Trackers.
- **Belt Widths:** Available from 450mm - 1200mm.
- **Bearings:** Standard deep groove Roller Bearing
- **Belt Thicknesses:** <20mm.
- **Belt Speeds:** <1.0m/s.

APEX LOW SPEED FLAT RETURN TRACKER - HEAVY DUTY (MODEL CODE: TFRLHD)

Tru-Trac® Apex HD Low-Speed Flat Trackers are built for heavy-duty, wide belts running at 1 m/s or slower, with activation guide rolls for faster tracker response.

MODEL-SPECIFIC HIGHLIGHTS:

- **Offers all the same features:** and benefits as the Apex Standard Flat Return Trackers.
- **Belt Widths:** Available from 1350mm - 1500mm.
- **Bearings:** Thrust and Standard deep groove Roller Bearing.
- **Heavy duty:** Steel bearing housings are welded into the barrel with a reinforced solid shaft.
- **Belt Thicknesses:** >20mm.
- **Belt Speeds:** <1.0m/s.

APEX FLAT RETURN TRACKER – STANDARD DUTY (MODEL CODE: TFRASD)

For light- to medium-duty plant conveyors where accurate, early correction of belt wander is required.

MODEL-SPECIFIC HIGHLIGHTS:

- Optimized for **belt speeds 1.0 – 3.5m/s**
- **Belt thickness 10–20 mm.**
- **Reversible belt compatible.**
- **Deep-groove roller bearings** with advanced sealing.
- Optional Integrated **Tensioner Bracket - for optimal and consistent performance**
- **Grip-Trac™ lagging** - ensure reliable optimal wear life and performance in all conditions.

APEX FLAT RETURN TRACKER – HEAVY DUTY (MODEL CODE: TFRAHD)

Designed for high-tension or high-load conveyors where improved tracking stability and minimal maintenance are essential.

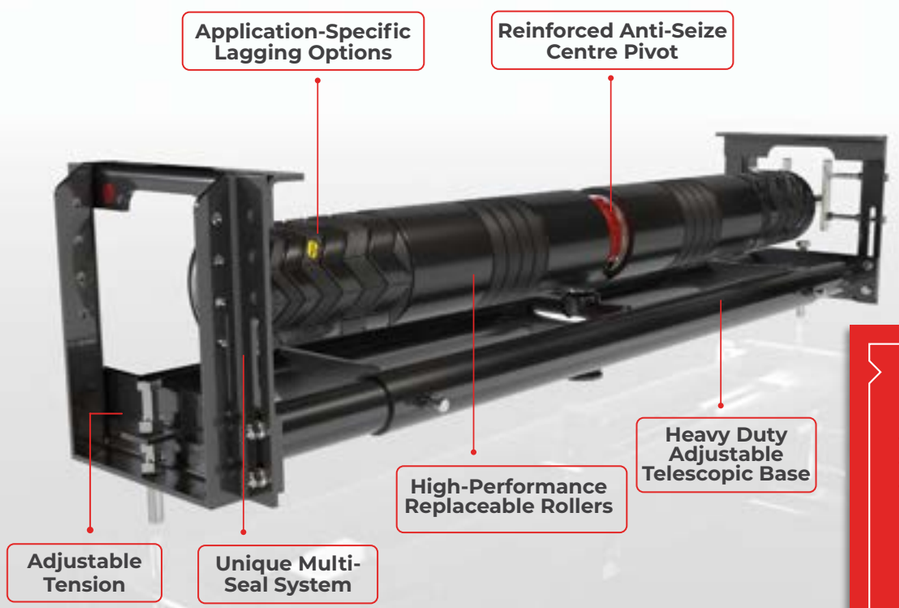
MODEL-SPECIFIC HIGHLIGHTS:

- Designed for **belt speeds 1.0 – 4.0m/s**
- Handles **belt thickness 10–18 mm.**
- **Reversible belt compatible.**
- **Self-tensioning bracket system** maintains consistent tracking pressure and orientation. - optional
- **Grip-Trac™ lagging** with unique tread pattern improve traction and heat dissipation.
- **Wear life indicators** simplify preventive maintenance scheduling.
- Availalble in **X-Heavy Duty** (Model Code: TFRAXHD)

RETURN TRACKERS
APEX DUAL TRACKERS

The Tru-Trac® Apex Dual Return Tracker is a specialized design engineered for heavy-duty conveyors with restricted height clearance. Its compact form embodies all the advantages of the Dual Return Tracker design and is perfectly suited to fit within confined spaces, making it the ideal solution for installation inside horizontal take-up units.

The Apex Dual Return Trackers, patented globally, have been meticulously designed to handle the substantial forces associated with wide belts and heavy loads, as well as belts operating at speeds exceeding 4 m/s. They feature an innovative external central pivot mechanism, eliminating the requirement for a single, large drum. This facilitates a balanced and concentric rotation, resulting in a significant extension of bearing life. The result is a remarkably efficient tracking system.



SCAN THE QR CODE FOR:

- Application Videos
- Application Images
- Data Sheets

www.tru-trac.com

LAGGING OPTIONS: NATURAL RUBBER HIGH ABRASION RUBBER RUBBER FRAS PU-FR

TRU-TRAC APEX DUAL RETURN TRACKER RANGE

- **Heavy-Duty Construction:** Robust welded frame engineered for high-load, long-life performance.
- **Replaceable Tapered Rollers:** Individual rollers mounted on a precision centre pivot can be replaced independently.
- **Enhanced Centre Pivot:** Internal thrust bearing provides highly reactive tracking response and is greasable from the bracket.
- **Sealed Bearing System:** Multi-lip labyrinth seal and moisture shield ensure long bearing life in dusty, wet, or corrosive conditions.
- **Integrated Tensioning Bolts**: Simplified and precise adjustment for consistent setup.
- **Reversible Belt Compatibility**: Selected models designed for reversing conveyors.
- **All-Condition Operation:** Performs reliably on wet, dry, underground, or plant conveyors.
- **Compact Profile:** Standard overall height 400 mm (EXHD model 716 mm).

LOW SPEED DUAL RETURN TRACKER (MODEL CODE: TDRLHD)

Low-speed, high-load conveyors such as feeders, shuttle conveyors, or short transfer systems.

MODEL-SPECIFIC HIGHLIGHTS:

- Optimized for **belt speeds < 1.0m/s.**
- Suitable for **belt thicknesses > 20 mm** (heavy-duty rubber or steel-cord belts).
- **Not recommended for reversing belts.**
- Compact frame height: **400 mm** – ideal for limited space or low-clearance installations.
- Available for **belt widths 1200–2100 mm.**
- **Bearing options**: Standard or Thrust + Deep Groove Roller Bearings (depending on load).
- **Engineered for** slow, high-tension return paths where constant steering stability is required.

APEX DUAL RETURN - HEAVY DUTY (MODEL CODE: TDRAHD)

Mainline heavy-duty conveyors in mining, plant, and aggregate applications carrying moderate to high loads at medium to high speeds.

MODEL-SPECIFIC HIGHLIGHTS:

- Designed for **belt speeds 1.0 - 3.5m/s.**
- Handles **belt thickness 20 – 30mm.**
- Suitable for **steel-cord or high-tension fabric belts.**
- **Reversible belt compatible** – maintains consistent tracking in both directions.
- **Adjustable mounting centres** with optional custom brackets for non-standard structures.
- Standard **frame height 400mm** for retrofit flexibility.
- **Bearing system**: Thrust + Deep Groove Roller Bearings for heavy-duty load support.
- Available for **belt widths 1200 – 2100mm** (smaller sizes on request).

APEX DUAL RETURN - X-HEAVY DUTY (MODEL CODE: TDRAXHD)

MODEL-SPECIFIC HIGHLIGHTS:

- Designed for **belt speeds 3.5 - 5m/s.**
- Handles **belt thickness 20 – 30mm.**
- Suitable for **steel-cord or high-tension fabric belts.**
- **Reversible belt compatible** – maintains consistent tracking in both directions.
- **Adjustable mounting centres** with optional custom brackets for non-standard structures.
- Standard **frame height 400mm** for retrofit flexibility.
- **Bearing system**: Thrust + Deep Groove Roller Bearings for heavy-duty load support.
- Available for **belt widths 1200 – 2100mm** (smaller sizes on request).

APEX DUAL RETURN - EXTRA HEAVY DUTY (MODEL CODE: TDRAEXHD)

Ultra high-load, high-tension conveyor systems operating continuously in the most severe mining environments.

MODEL-SPECIFIC HIGHLIGHTS:

- Designed for **belt speeds 5.0 - 10m/s** under continuous duty.
- Optimized for **belt thickness > 30mm** and **belt widths 1500 – 3000mm**.
- **Enhanced, overbuilt pivot design** with dual thrust-bearing load path for extreme reactivity.
- **Spherical bearing assemblies** housed in heavy-duty sealed cartridges.
- **Frame height 716mm**, engineered for structural stability under extreme belt tension.
- **Reversible belt capable** – superior directional tracking stability.
- Optional **high-temperature or corrosive-environment seals** available.

RETURN TRACKERS
APEX V-RETURN

Tru-Trac® Compact V-Return Tracker, originally designed and patented by Tru-Trac®, serves as a high-performance solution for effectively tracking V-Return conveyor belts in applications with restricted height clearance or for fitting onto non-standard mounting centers. The Compact V-Return configuration offers excellent performance without the requirement to flatten the belt before installing the tracker. It is designed to fit into confined spaces and has adjustable mounting widths.

TRU-TRAC APEX V-RETURN TRACKER RANGE

- **Heavy-Duty Fabricated Construction:** Engineered for tough mining and industrial environments to ensure long service life and stability.
- **High-Performance Tapered Rollers:** Precision-profiled, independently replaceable rollers optimize self-aligning response and reduce belt edge wear.
- **Advanced Centre Pivot Design:** Fully sealed, heavy-duty pivot with internal thrust bearing greasable from the frame for smooth reactivity.
- **Multi-Seal Bearing Protection:** Dust- and moisture-proof sealing system maximizes bearing longevity in wet, dusty, or corrosive conditions.
- **Integrated Tensioning Adjustment:** Simple built-in bolts allow fine tracking sensitivity tuning.
- **Compact Profile:** Typical frame height ≤ 400 mm for easy fitment within existing return idler envelopes.
- **Reversible Belt Compatibility:** Select models designed for reversing belts.
- **All-Condition Operation:** Performs consistently on wet or dry belts, above or below ground.

LAGGING OPTIONS: NATURAL RUBBER HIGH ABRASION RUBBER RUBBER FRAS PU-FR

APEX V-RETURN TRACKER – HEAVY DUTY (MODEL CODE: TVRHD)

High-load, steel-cord or high-tension fabric belts operating at medium-to-high speeds.

MODEL-SPECIFIC HIGHLIGHTS:

- For **belt speeds 1.0 - 3.5m/s.**
- Suitable for **belt thickness 12 – 20mm** (fabric or light steel-cord belts).
- **Reversible belt compatible** – maintains accurate tracking in both directions.
- **Adjustable mounting centres** for retrofit to standard or non-standard frames.
- **Bearing type:** Standard Deep Groove Roller Bearing.
- **Available belt widths:** 1200 – 2100mm.

APEX V-RETURN TRACKER – EXTRA HEAVY DUTY (MODEL CODE: TVRAEXHD)

High-load, steel-cord or high-tension fabric belts operating at medium-to-high speeds.

MODEL-SPECIFIC HIGHLIGHTS:

- Designed for **belt speeds 5 - 10m/s.**
- Handles **belt thickness 18 - 30mm.**
- **Reversible belt compatible.**
- **Heavy-duty centre pivot** with internal thrust bearing.
- **Adjustable mounting centres** and optional custom brackets for special structures.
- **Bearing system:** Thrust + Deep Groove Roller Bearing combination for added axial strength.
- **Compact 400mm height** – ideal for constrained plant layouts.
- **Belt widths:** 1500 – 3000mm (custom widths available).
- Availalble in **X-Heavy Duty** (Model Code: TDRAXHD)
- Availalble in **Ultra Duty** (Model Code: TVRAUHD)

RETURN TRACKERS
INDUSTRY TRACKERS

The Tru-Trac® Industry Trackers provide an effective conveyor belt tracking system designed for centralizing lightweight industry conveyor belts in sectors such as packaging, food, tobacco, and airports. The center pivot is unique and simple, consisting of a mild steel pin with a stainless steel shaft perpendicular to the plane of the belt. Its hot-vulcanized rubber cover and tapered edges ensure the tracker activates immediately as the belt moves off-center. The tracker reacts continuously and autonomously to ensure the belt stays centered.

MAIN FEATURES

- **Design:** Specifically designed for effective tracking on light duty conveyor belt applications.
- **Reliable Performance:** The Tru-Trac® Tracker has proven itself to be robust, reliable, long lasting and provide effective performance in all conditions.
- **Maintenance Free:** Sealed bearings do not require any greasing.
- **Versatile Installation:** Can be installed on the clean side of the belt, and then tension can be adjusted easily with the supplied mounting brackets.
- **Reversing Belts:** Excellent performance.

PACKAGING INDUSTRY TRACKER

Tru-Trac® Packaging Industry Trackers offer the most reliable and effective conveyor belt tracking system for lightweight packing industry belts. Its patented design with a unique centre pivot consisting of a stainless steel pin and a rubberised drum with a tapered edge ensures the tracker reacts immediately to keep the belt centred.

MODEL-SPECIFIC HIGHLIGHTS:

- **Designed for effective tracking:** on light duty fabric and PVC belts.
- **Roll Diameter:** Available from 132mm - 154mm.
- **Bearings:** Standard deep groove Roller Bearing.
- **Belt Widths:** Available from 200mm - 1500mm.
- **Belt thickness:** <10mm.

FOOD INDUSTRY TRACKER

The Tru-Trac® Food Industry Trackers are a patented design that offers effective conveyor belt tracking for lightweight food industry slow moving conveyor belts. The centre pivot is unique and simple, consisting of a stainless steel shaft with a mild steel pin that is perpendicular to the plane of the belt, and its food grade polyurethane covered drum and tapered edge ensures the tracker activates immediately as the belt misaligns.

MODEL-SPECIFIC HIGHLIGHTS:

- **Specifically designed:** for light duty conveyor belt applications in the food industry.
- **Manufactured:** with 304 - 316 Stainless Steel, including the bracket.
- **Lagging:** Covered with EU Approved Food Grade Polyurethane
- **Roll Diameter:** Available from 132mm - 154mm.
- **Belt Widths:** Available from 200mm - 1500mm.
- **Belt thickness:** <10mm.
- **Speed Belts:** 1.0 - 3m/s.

Tru-Trac®
TROUGH TRACKERS

TRU-TRAC® TROUGH TRACKERS:

PATENTED MISALIGNMENT SOLUTIONS FOR THE LOAD-CARRYING SIDE OF CONVEYOR BELTS

- 30+ years of proven innovation
- Instant response on loaded or unloaded belts
- Works equally well in both directions
- Extends belt life with smooth, belt-friendly tracking

Principle:

Differential roll speed triggers the pivot, steering the belt back to centre. Once aligned, it resets to neutral. **Reliable. Simple. Effective.**

Tru-Trac® Complete Conveyor Solutions - Belt Trackers

APEX STD
Trough Tracker

APEX HD
Trough Tracker

APEX EXHD
Trough Tracker

NR STD
Trough Tracker

NR HD
Trough Tracker

NR EXHD
Trough Tracker

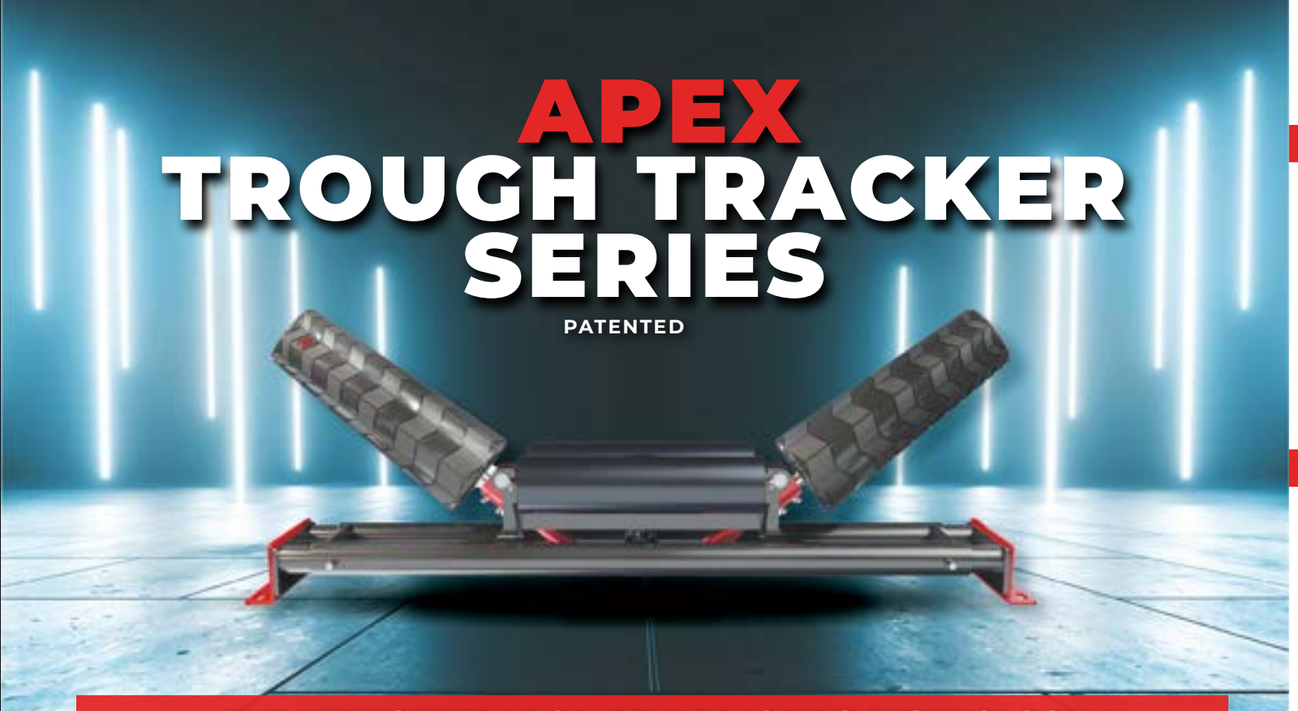
NR Super EXHD
Trough Tracker

DD
Trough Tracker

Load
Trough Tracker

APEX TROUGH TRACKER SERIES

PATENTED



THE NEXT GENERATION BELT TRACKING TECHNOLOGY

Belt misalignment is the leading cause of downtime, spillage, and increased costs in conveyor systems across bulk material handling operations. With over **30 years of industry leadership** in belt tracking solutions, Tru-Trac presents the **Apex Series Trackers**—next-generation technology engineered for unmatched **performance, durability, and efficiency** in the most demanding environments.

KEY FEATURES

- **Exceptional Performance:** Enhanded tapered rollers and centre pivot provide fast, reactive, and continuous tracking.
- **Compact Design:** Flat packed for easy handling and installation, fits inside hoods and tripper cars.
- **Easily Adjustable:** Adjust wing rollers and troughing angles (10 to 60 degrees) for optimal performance.
- **Longer Life:** Custom rubber lagging and premium Tru-Trac® HDPE center rolls extend tracker life, reducing costs.
- **Patented Design:** Cantilevered, adjustable angle wing rolls facilitating quick adjustment.
- **Increased Responsiveness:** Optimized centre of gravity improves stability and sensitivity to misalignment.
- **Grip-Trac® Premium Lagging:** Available for superior traction and wear resistance.

APEX TROUGH TRACKER – STANDARD DUTY (MODEL CODE: TTASD)

MODEL-SPECIFIC HIGHLIGHTS:

- **Belt Widths:** 450–1200 mm (18–48”)
- **Application Range:** General-purpose conveyors carrying moderate loads at standard operating speeds.
- Optimized for **belt speeds 1.0–3.5 m/s.**
- Suitable for **EP fabric belts (EP400–EP800) with thickness 10–18mm.**
- **Grip-Trac™ Lagging** RGN / RGHA / RGFRAS / PFR – refer pg. 17).

APEX TROUGH TRACKER – HEAVY DUTY (MODEL CODE: TTAHD)

MODEL-SPECIFIC HIGHLIGHTS:

- **Belt Widths:** 1050–1500 mm (42–60”)
- **Application Range:** High-load conveyors operating under increased belt tension and moderate impact conditions.
- Designed for **belt speeds >1.0–3.5 m/s.**
- Handles **belt tension 80–160 N/mm**.
- Compatible with **EP630–EP1000 or ST1200–ST1800 belts** (EP: 12–22 mm · ST: 14–24 mm).
- **Reinforced heavy-duty frame** designed for strength and stiffness.
- T**hrust + deep-groove bearing system** supports both axial and radial loads.
- **Grip-Trac™ Lagging** (RGN / RGHA / RGFRAS / PFR – refer pg. 17).
- Availalble in **X-Heavy Duty** (Model Code: TTAXHD)

APEX TROUGH TRACKER – EXTRA HEAVY DUTY (MODEL CODE: TTAEXHD)

MODEL-SPECIFIC HIGHLIGHTS:

- **Belt Widths:** 1500–3000 mm (60–120”)
- **Application Range:** Ultra high-tension, high-throughput conveyors where continuous duty and extreme belt loads demand maximum construction strength.
- Rated for **belt speeds 5.0–10.0 m/s**.
- Handles **belt tension 180–315 N/mm.**
- Compatible with **EP1600–EP2000 and ST2000–ST5000** belts.
- **Ultra-heavy pivot housing** with dual thrust and spherical bearing arrangement for maximum load support.
- **Grip-Trac™ lagging** with unique tread pattern improve traction and heat dissipation.
- **Wear life indicators** simplify preventive maintenance scheduling.
- **Fully sealed bearing assembly** rated for high-temperature, abrasive, and corrosive environments.
- **Reinforced frame construction** for superior structural integrity.
- Availalble in **Ultra Duty** (Model Code: TTAUHD)

Engineering Disclaimer

*For specialized, high-demand, or critical conveyor applications — or where site conditions exceed standard duty classifications consult the **Tru-Trac Engineering Team** for confirmation of model suitability and configuration*

LAGGING OPTIONS: NATURAL RUBBER · HIGH ABRASION RUBBER · RUBBER FRAS · PU-FR

TROUGH TRACKERS
NR TROUGH TRACKERS

The patented Tru-Trac® Trough Tracker offers the ultimate in tracking performance on the load-carrying side of conveyor belts. Mastered over 15 years of design and innovation, this design is highly responsive and quick to activate on both loaded and unloaded conveyor systems.

Due to the taper wing rollers being inline, the Trough Tracker can operate on both Uni-directional or Bi-directional conveyor belts. The tracking is done by the tapered wing rollers which are lagged, designed to be compatible with 35° and 45° belts. The tapered wing rollers activate the tracker immediately, as the belt moves off centre, ensuring that there is no 90 degree contact with the belt edges.

MAIN FEATURES

- **Exceptional Performance:** The combination of the tapers and unique centre pivot, provide fast, reactive and continual tracking in all conditions.
- **Individual rollers for easy replacement:** Both the taper wing and centre roller can be individually replaced as wear occurs.
- **Enhanced Centre Pivot:** The unique heavy duty pivot design provides instant activation to centralise the belt to keep it running centre.
- **Bearings:** Standard deep groove Ball bearings and Spherical Roller Bearings.
- **Maintenance Free:** Bearings do not require any greasing.
- **Operates in all conditions:** Quick activation on both wet and dry conveyor belts.
- **Versatile Installation:** Minimum tension is required on the centre rolls, which can be easily adjusted with the supplied mounting brackets.
- **Reversing Belts:** Excellent performance.

> "Tru-Trac Trackers provided a simple, well-supported application that effectively resolved our mistracking challenges."
>
> – Rinaldi Syakur
>
> SOLUSI BANGUN INDONESIA

BELT MISALIGNMENT SOLUTION

TROUGH TRACKER INSTALLATIONS

SCAN THE QR CODE FOR:

- Application Videos
- Application Images
- Data Sheets

www.tru-trac.com

NR STANDARD TROUGH TRACKER

MAIN FEATURES

- **The original Trough Tracker:** pioneered and patented by Tru-Trac®.
- **Reversing Belts:** Excellent performance.
- **Belt Widths:** Available from 450mm to 1200mm.
- **Bearings:** Standard deep groove Roller Bearings.
- **Belt Thickness:** <15mm.
- **Belt Speeds:** <3,5m/s.

NR HD TROUGH TRACKER

MAIN FEATURES

- **Offers all the same features:** and benefits as the STD Trough Trackers.
- **Designed:** for heavier duty applications.
- **Belt Widths:** Available from 900mm - 1500mm.
- **Bearings:** Spherical Bearing in Wing Rollers, Deep Groove Roller Bearings in Centre Rolls.
- **Belt Thickness:** <20mm.
- **Belt Speeds:** 1 - 3,5m/s.

NR EXHD TROUGH TRACKERS

MAIN FEATURES

- **Offers all the same features:** and benefits as the Standard Trough Trackers, incorporating additional reinforcements offering reliable performance in demanding applications.
- **Reversing Belts:** Excellent performance.
- **Belt Widths EXHD:** Available from 1350mm to 2600mm.
- **Belt Widths Super EXHD:** Available up to 2800mm-3000mm.
- **Bearings:** Spherical Roller bearings.
- **Belt Thickness:** >30mm.
- **Belt Speeds EXHD:** 5 - 10m/s.
- **Belt Speeds Ultra Heavy Duty:** <10m/s.

NR SUPER EXHD TROUGH TRACKER

MAIN FEATURES

- **Compact Design:** Enhances safety and versatility.
- **Easily Adjustable:** Manually adjust angle of wing rollers.
- **Longer life:** Upgraded premium rubber lagging on wing rolls.
- **Individual rollers:** Replace taper wing and center rollers separately.
- **Reversing Belts:** Excellent performance in both directions.
- **Belt Widths:** Available from 2900mm - 3000mm.

LAGGING OPTIONS: NATURAL RUBBER · HIGH ABRASION RUBBER · RUBBER FRAS · PU-FR

TROUGH TRACKERS
SPECIALITY TRACKERS

Specialty Trough Trackers are meticulously engineered solutions, finely tuned to combat belt misalignment challenges in conveyor systems. Adept at various applications, they excel in heavy-load belts, robustly countering forces to preserve precise alignment even under extreme loads. Their competence extends to high-speed settings, swiftly responding to deviations for consistent tracking, vital in preventing wear and ensuring sewamless operations.

In installations with unique constraints like decking plates, specialty trough trackers adeptly navigate structural intricacies while maintaining reliable belt alignment. Their adaptability also shines in picking belt applications, ensuring uninterrupted item transport. With exceptional performance tailored to diverse scenarios, Specialty Trough Trackers enhance efficiency, reduce maintenance costs, and extend conveyor system lifespan across applications.

BELT MISALIGNMENT SOLUTION

SPECIALITY TROUGH TRACKER INSTALLATIONS

SCAN THE QR CODE FOR:

- Application Videos
- Application Images
- Data Sheets

www.tru-trac.com

Tru-Trac® Complete Conveyor Solutions - Belt Trackers

TRU-TRAC® TROUGH LOAD TRACKER

The patented Tru-Trac® Load Design Trough Tracker was specifically developed to accommodate the load-carrying side of the belt. The offset wing rollers are incorporated into the design to activate our standard central pivot system. The wing rollers are compatible with 35°- 45° belts, ensuring that there is no 90-degree contact with the belt edges.

MAIN FEATURES

- **Compact Height:** Allows for installation above decking plates.
- **Reliable Performance:** The Tru-Trac® Tracker has proven itself to be both robust, reliable, long lasting and provide effective performance in all conditions.
- **Bearings:** Standard Roller Bearing configuration available.
- **Belt Widths:** Available from 450mm - 1200mm | No other sizes available.
- **Belt Speeds:** >1.0 - 3.5m/s.

TRU-TRAC® DD TROUGH TRACKER

The Tru-Trac® Heavy Duty Trough Tracker accommodates wide belts, heavy loads, and high speeds (exceeding 4m/s). It features offset wing rollers that activate our central pivot system. The rollers are fixed at 70 degrees, allowing the belt to slide up and activate the tracker as it moves off-center. This design eliminates 90-degree contact with the belt edges.

MAIN FEATURES

- **Heavy duty:** The combination of strengthened shaft and double pipe base prevents the shaft from bending. Steel bearing housings are welded into the barrel.
- **Improved Rugged Sealing System:** Steel End caps are pressed into the bearing housings, these also function as a 'flinger' seal to prevent ingress of material.
- **Bearings:** Standard or Thrust and Roller Bearing configuration available.
- **Belt Widths:** Available from 1350mm - 2100mm.
- **Belt Speeds:** 1.0 - 3.5m/s.

TRU-TRAC® PICKING TROUGH TRACKER

The Tru-Trac® Picking Trough Tracker is designed specifically for resolving conveyor belt misalignment on picking conveyor belts. The picking conveyor idler assembly features a longer middle roller than the wing rollers.

MAIN FEATURES

- **Installed:** on the load carrying side of the conveyor belt.
- **Used with:** a variety of conveyor belt types, including picking trough belts.
- **Available:** in a variety of sizes and configurations to suit the specific needs of your conveyor system.
- **Easy to install** and maintain.

> "Tru-Trac trackers are highly effective in solving misalignment issues. They are almost maintenance-free, long-lasting, and continue to perform well even after years of use — we only need to replace rollers occasionally. Installation is straightforward, and the variety of models makes it easy to match the right tracker to different belt conditions."
>
> **– Mr. Lim Wei,**
>
> UMS
> UNIVERSITI MALAYSIA SABAH

Tru-Trac® Complete Conveyor Solutions - Field Services

FIELD SERVICES

Tru-Trac® provides integrated solutions and support services to optimise and sustain conveyor systems, enabling customers to reach their financial and operational objectives.

HOW IT WORKS

Tru-Trac® has been offering conveyor maintenance services for over 15 years, and is uniquely positioned to offer customers a comprehensive scope of conveyor service and maintenance solutions.

CONVEYOR MAINTENANCE SERVICE PACKAGES

Tailored to your needs, we offer **4 Service Packages** featuring **flexible commercial models, customizable Scope of Work, payment options, inventory plans, reporting requirements, and contract periods**.

Our close collaboration ensures continuous improvement and optimization of your conveyor performance.

KEY SERVICES:

- **Installation and Commission:** Expert setup for optimal performance.
- **Planned Shutdown Services:** Scheduled maintenance without downtime.
- **Full Conveyor Maintenaince:** Comprehensive care for long-term reliability.
- **Breakdown - Emergency Services:** Rapid response for unplanned events.

INSTALLATION & COMMISSION

Tru-Trac®'s skilled **conveyor technicians** ensure products are **expertly installed** and perform optimally, meeting **local safety**

BENEFITS:

- **Ensure Optimal Installation:** Guarantees best performance of new equipment.
- **On-Site Training:** Equips your personnel with hands-on knowledge.
- **Reduce Downtime:** Faster installation and troubleshooting.
- **Installation Reporting:** Comprehensive updates for peace of mind.

PLANNED SHUTDOWN SERVICES

Tru-Trac® works closely with clients to ensure **efficient planned shutdowns.** We excel in **optimizing installations and repairs** through meticulous **planning and resource coordination**, consistently meeting project timelines and budgets.

BENEFITS:

- **Efficient Planning:** Boosts efficiency and safety through careful scheduling.
- **Resource Allocation:** Optimizes the use of manpower and equipment.
- **Cost & Time Savings:** Ensures budget-friendly, on-time completion.
- **Proactive Maintenance:** Prevents breakdowns and extends equipment life.

FULL CONVEYOR MAINTENANCE

Tru-Trac®'s **full maintenance service agreements** offer expert **on-site resources,** ensuring **optimal conveyor system performance**, cost control, and adherence to high standards.

BENEFITS:

- **On-Site Teams:** Combines dedicated and trained conveyor maintenance teams on site.
- **Operational Efficiency:** Daily reports, spare parts management, & improved planning for maximized uptime.
- **Proactive Care:** Preventative maintenance and enhanced safety protocols
- **Focus:** Concentrate on your core business operations while we handle conveyor maintenance.

BREAKDOWN -EMERGENCY SERVICES

Tru-Trac®'s **local service teams** promptly handle **emergency call-outs** in your region, efficiently diagnosing and resolving issues to **safely restore production** in minimal time.

BENEFITS:

- **Fast Expert Support:** Get help when you need it most.
- **Decrease Downtime:** Quick resolution of issues.
- **Customizable Support:** Tailored to your specific needs.

CONVEYOR TRAINING

TRU-TRAC® CONVEYOR TRAINING:
Empowering Your Team for Excellence

At Tru-Trac®, we believe that offering high-quality products is just the beginning. Ensuring your team knows how to maximize these tools is where real progress begins. Dive deep with our specialized conveyor training modules, designed not only to address the how-tos but also to impart a comprehensive understanding of common conveyor issues and their solutions.

Invest in training that promises more than just theory. With Tru-Trac®, empower your employees to bring innovative and efficient practices back to the heart of your operations.

COURSES OFFERED INCLUDE:

- Conveyor 101
- Conveyor Maintenance and Safety
- Conveyor Belt Alignment
- Effective Conveyor Cleaning
- Tru-Screw Splicing Training
- Tru-Trac® Product Installation and Maintenance Training courses

WHY CHOOSE TRU-TRAC® CONVEYOR TRAINING?

- **Broad Understanding:** Equip your team to identify and correct common conveying challenges.
- **Safety First:** Prioritize and enhance safety protocols in your conveyor operations.
- **Regulatory Compliance:** Stay ahead with practices that meet industry regulations.
- **Boost Productivity:** Learn strategies to ramp up production.
- **Operational Cost-Efficiency:** Drive down operation costs with informed decision making.

TRU-TRAC® ONSITE TRAINING:

Tru-Trac® provides onsite training for its customers in remote areas, ensuring that they receive the same degree of experience and technical competence as those who attend training at the Tru-Trac® training facility at our Head Office in Centurion.

This hands-on training is provided by certified trainers who are sent to a specific area to assist customers in running their plants efficiently and effectively.

ABOUT MOBILE SHOWROOM

The Tru-Trac® Mobile Showroom showcases the full range of Tru-Trac® products

Our mobile showroom is fully equipped with our products and you will be able to handle and inspect our products for both quality and features. Your team will have the opportunity to engage with our conveyor experts and discuss any conveyor related issues that they might be grappling with.

ABOUT CONVEYOR SURVEYS

Tru-Trac® offers comprehensive conveyor system surveys using our proprietary digital Conveyor Audit reporting system. Our technicians conduct holistic audits, providing real-time feedback via email. You'll receive detailed reports, including component condition, performance, photos, maintenance needs, and optimization recommendations.

- Highly experienced and trained technicians conduct our conveyor inspections.
- Conveyor audits are carried out daily at customer sites across the African continent.
- Digital reports are directly distributed to relevant parties.
- Inspection records are stored centrally for easy reference.

Visit our official website or contact your local distributor for more information.

Authorized Distributor:

TRU-TRAC®

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