



**Automated solutions for  
Logistics and Express Delivery**



**AVN France**

9 rue des Deux Vallées  
69670 VAUGNERAY - FRANCE  
Phone +33 (0) 4 78 45 88 50  
[contact@avn-france.com](mailto:contact@avn-france.com)  
[avn-france.com](http://avn-france.com)

# Introduction

To meet your needs in production efficiencies, greater conveying flow and ergonomics, **AVN** provides turnkey and evolutive automated solutions suitable to your requirements.

For more than 35 years, **AVN** well-skilled teams realize the conception, design, production, installation commissioning and maintenance of automated conveyors systems for Logistics and Express Delivery Services:

- **AVascaM<sup>®</sup>**
- **Parcel sorting systems**
- **Complete and evolutive order-picking lines**
- **Multi-level process**
- **Computer control and monitoring**
- **Custom-designed conveyors**
- **Accessories for express parcel services**



# AVascaN®: Volume, weighing and barcode scanning system



AVascaN® equipment allows the automatic identification of your parcel data: complete barcodes reading, weight and volume calculation (approved certification).

Integrated to a parcel sorting system, AVascaN® enables to make automatic and optimized operations such as unloading containers, sorting by references either on delivery or on shipment and order processing.

## AVASCAN®: A TOOL FOR PRODUCTIVITY

- Suitable to any kind of parcels, sacks and mail envelopes
- Engineered, developed and improved for more than 15 years
- Robust for use in intensive environment
- Interface with customer computer systems
- Legal certification and registered Metrology for billing
- 155 systems installed in TNT, Mondial Relay and Cubyn
- High sorting rate up to 6 000 p/h





## COMPONENTS

- 1 input conveyor
- 1 dynamic weighing conveyor
- 1 gantry fitted with barcodes readers or video
- 1 output conveyor
- 1 electrical box with PC of supervision
- 1 manual scan for double checking

## OPTIONS

- Automatic sorting system
- Unread packages reject
- Custom data processing
- Parcel picture
- Deposit conveyor
- Parcel separator conveyor





# Sorting lines and process system

- Sorting of all kind of packages, sacks and envelopes
- Sorting rate: up to 6 000 parcels / hour
- *AVascaN*<sup>®</sup> integration or manual reading
- Diverter, soft pusher with no chock
- Overhead or ground installations



Diverter



Mechanical line for manual sorting



Pusher



Stacked sorters with helical discharge chutes



In-feed lines with telescopic conveyors



Installation with 4 outlet lines

# Order handling

- Custom-made solutions for all size of projects
- Rapid return on investment
- Package preparation
- Automatic labelling and weighing
- Integrating machines for packing
- Sorting line for shipment



Complete order-picking lines



Bins preparation



Accumulation loop





Automatic labelling and weighing



Collect of packed parcels



Gathering product flow

# Modular multi level conveying process

- Area optimization
- Safety design for operators
- Continuous or alternating lift and down device



Elevator and descender platform for boxes



Feed conveyor on mezzanine



Helical conveyor





Double-box lift

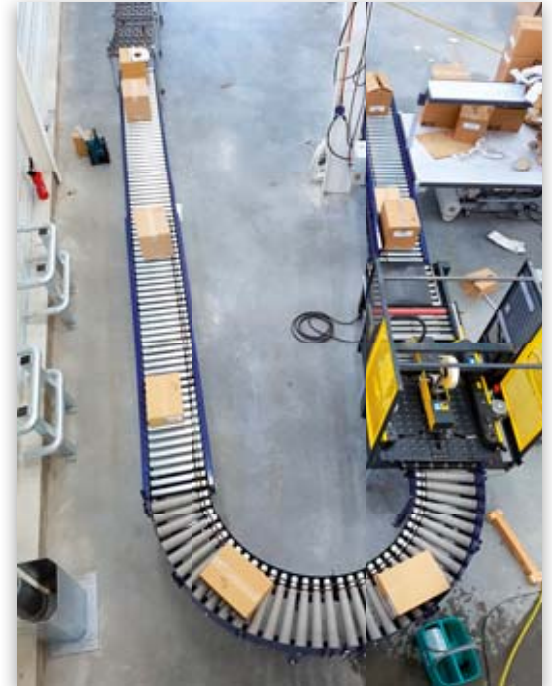


Way-out accumulation loop

# Evolute and specific conveying system



From B to C order processing



Packaging line with taping machine

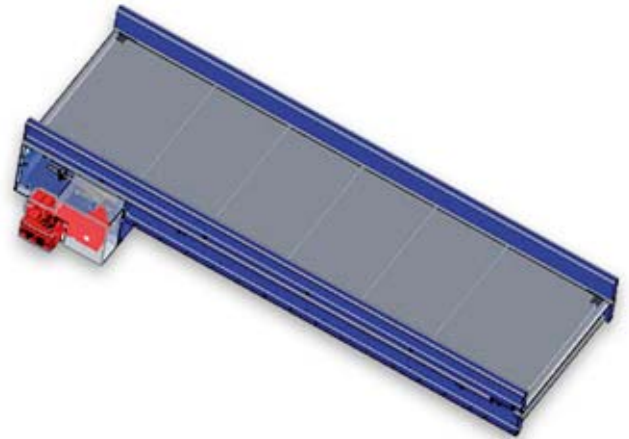


From B to B order processing





Dispatch conveyor with modular belt  
for sorting assistance



Specific conveyor for small products



Ultra flat pallet conveyor for manual forklift

# Other achievements







# Other achievements

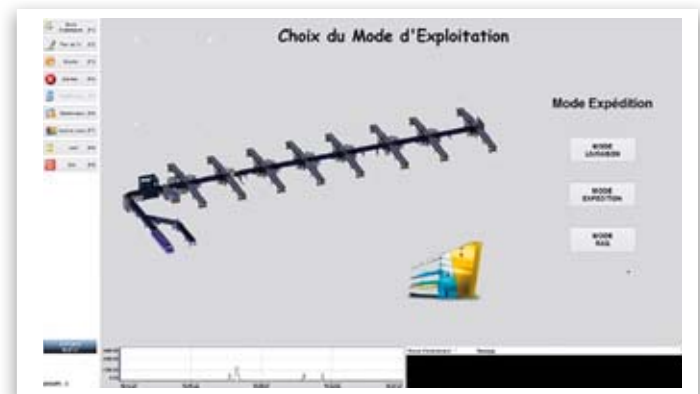






# Data processing, monitoring and control

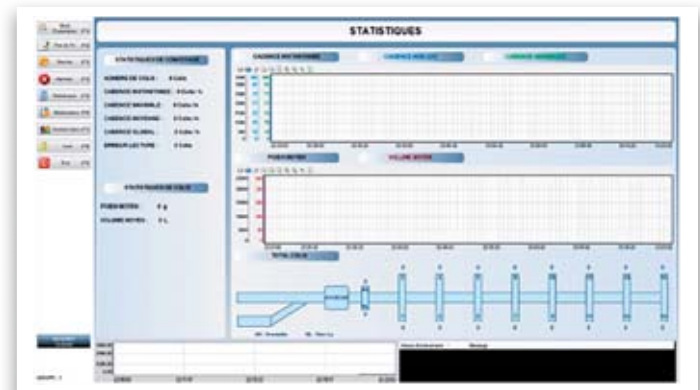
- Selection of the operating mode
- Selection of the sorting plan
- Control panel
- Alarm display
- Statistics
- Maintenance operating mode
- Users management



Operating mode Selection



Main Menu



Statistics



## Marche

### Mode Expédition

Plan de Tri : PLTRI\_000301\_EXP\_TEST02\_20151123\_183014.csv

Marche / Arrêt Déposes

Marche / Arrêt Général

Mode Reprise Lecture

CAB Douchette :

**Compteur Colis : 1502 Colis**  
**Cadence Global : 995 Colis / h**  
**Cadence Moyenne : 973 Colis / h**

**DERNIER COLIS LU**

CODE BARRE :

HAUTEUR : 0.00 mm

LONGUEUR : 0.00 mm

LARGEUR : 0.00 mm

VOLUME : 0.0000 L

POIDS : 0.000 g

CODE AGENCE : 0

CODE SERVICE : 0

CODE TOURNEE : 0

N° SORTIE : 0

REFRESH

ID_Colli	Code Barre	Volume	Longueur	Largueur	Hauteur	Poids	Sortie	Commentaire
20151123190401210	300031140701918187202171913	36	423	325	269	1460	4	
20151123190351136	30003116380181806483972090	36	426	324	269	1500	8	
201511231903504190	30003117280191808653475200	36	422	324	271	2140	8	
20151123190350194	Inconnu	3	136	182	136	730	0	CAB invalide
20151123190348934	30003116970191806483912437	2	134	179	127	330	8	
20151123190345288	30003116670191806603764893	36	422	324	276	1970	4	
20151123190343779	3000311331019181702543791941	8	267	254	164	550	4	
20151123190342640	30003112390191807513294830	8	266	254	159	1300	6	
20151123190339919	300031163001918482543121226	8	264	255	160	690	4	
20151123190336183	Inconnu	13	226	282	209	1640	0	CAB invalide
20151123190334814	30003109680181803013245621	12	282	221	267	720	2	
20151123190333482	300031132201918085113619483	12	223	282	210	860	6	
20151123190332025	300031123601918067636615170	3	134	184	128	160	8	
20151123190330889	30003112180191302653441218	8	266	254	158	650	6	
20151123190327730	3000311229019181793601434	8	264	250	162	850	4	
20151123190325257	Inconnu	8	268	256	163	1380	0	CAB invalide
20151123190323912	30003111030191807193008253	12	221	282	208	1600	4	
20151123190321373	300031272601918467203179063	8	264	255	161	840	4	
20151123190319698	300031010101818067173113638	3	132	182	135	540	4	
20151123190318527	300031001501918067193303821	3	133	182	135	510	4	
20151123190317076	Inconnu	3	181	134	138	410	0	CAB invalide
20151123190315311	30003116530191807193489240	3	183	133	129	490	4	
20151123190314800	300031133201918186553888406	3	184	134	127	400	0	
20151123190313491	300031132601918602543292209	3	183	133	128	190	4	
20151123190311411	30003110460191807293477087	19	311	400	164	960	4	
20151123190309828	30003109101918183013342740	8	255	205	159	420	2	
20151123190307898	3000310910019181707173549924	8	253	203	158	380	4	
20151123190305020	Inconnu	11	391	200	145	2510	0	CAB invalide
20151123190303016	300031081301918066773479370	8	254	204	163	880	4	
20151123190301704	300031091201918462543164818	8	267	254	161	2030	4	
20151123190300195	300031197801913027193248574	8	265	254	157	570	4	
20151123190298891	3000311976019130253630961	8	266	250	160	430	4	
20151123190297487	30003113380191262213279235	8	268	253	168	1010	6	
201511231902953878	3000312731019181707223055847	8	263	256	162	740	6	
20151123190292386	300031124001918067223533331	6	287	341	121	290	6	
20151123190290637	Inconnu	0	0	0	0	140	0	CAB invalide

Heure d'évènement : Message

GRUPE : 3

Operation control panel

23/11/2015 16:52:17

GRUPE : 3

Heure d'évènement : Message

Supervision screen



# Accessories



Steel protections



Steel bumpers



Wooden Bumpers



Stackable mail bag-holder



Beaconing



Lifting gate





## OUR MEANS AND REFERENCES

### → Engineering skills

- Mechanical
- 2D/3D drawing
- Electrical, automation and industrial computing

### → Expertise and inner production units:

- Sheet metal working: steel, stainless steel, aluminium...
- Welding
- Mecanics
- Assembling
- Electric cabinet wiring
- Automatismes



## THEY TRUST US

Arvato - Ciblex - Cubyn - Dematic - DHL - DPD - Fedex - France Express - Geodis - GLS - H2O at home - Poulina - L4 Logistics - Manitowoc - Laboratoires Mességué - Mondial Relay - SYMTA - TNT - UPS - XPO Logistics - La Poste

# Maintenance department and international presence

ACTIVAL, the **AVN** maintenance department highly qualified to perform :

- Preventive and corrective maintenance actions under annual contracts
- Support services and commissioning of the installations
- Technical modifications and upgrading to standards
- Repairs and spare parts supply

Thanks to our national partner network, we can make interventions on-site within 4 hours or less.

Our specialists of engineers, electro-mechanics, our commercial and administrative department, can provide you with technical support, maintenance control for continuous and automated handling facilities.



AVN agencies







**AVN France**

Phone +33 (0) 4 78 45 88 50

[contact@avn-france.com](mailto:contact@avn-france.com)

[avn-france.com](http://avn-france.com)

Scan and  
discover!



To scan, download the free  
unit app on [unitag.io/app](http://unitag.io/app)

