TRAINING

Dodge® School of Transmissioneering®

Learning objective

Upon completion of this course, students will gain a thorough understanding of the Dodge mechanical power transmission product portfolio.

Participant profile

All authorized Dodge distributors who specify, sell, or enter orders for mechanical power transmission products will benefit from this training. Participants should have a minimum of 2 years experience in the power transmission industry.

Duration

This course is scheduled for 4 full days and 1 half day.

Areas covered

- Features and benefits of Dodge products
- Competitive advantages
- Customer value-added solutions
- Product and service troubleshooting
- Functional product basics
- Mechanical power transmission product selections via catalog and electronic tools
- In-depth engineering presentations
- Application and industry product background
- Hands-on installation and removal
- Maintenance and best practices
- Electronic tools overview and tutorial
- Product nomenclature

Products covered

- Mounted bearings
- Enclosed gearing
- Mechanical drive components
- Couplings
- Conveyor components
- IIoT technologies
- Lifecycle Solutions
- System1 (bulk material handling)
- Electronic tools

Instructors

Dodge product specialists and engineers.

Technology

This training will be done in-person. Please come prepared with both a PT Place and a PT Wizard account created. It is recommended that attendees bring their own laptop computers for participation.

Dress code

Business casual (blue jeans and polos) with steel-toe shoes for plant tour. *No shorts, open-toe shoes, hats, or graphic t-shirts.*

Flight schedule

Airport: Greenville-Spartanburg (GSP)
Arrival: Sunday
Departure: Friday after 3:00pm
Participants are responsible to cover their transportation costs to Greenville, SC.

Accomodations and food

Hotel and food will be covered by Dodge. Your lodging will be booked for you by Dodge at a local hotel.

Dodge School of Transmissioneering

Agenda

Day 1 – Monday	
8:00 am—8:30 am	Welcome to Dodge and introductions
8:30 am—9:30 am	Electronic tools training
9:30 am—10:15 am	Industrial Internet of Things (IIoT) technologies
10:30 am—12:00 pm	Mechanical drive components: overview
12:00 pm—1:00 pm	Lunch
1:00 pm—2:00 pm	Mechanical drive components: hands-on exercises
2:00 pm—4:00 pm	Couplings: overview
4:00 pm—5:00 pm	Couplings: hands-on exercises
Day 2 – Tuesday	
8:00 am—8:30 am	Homework review
8:30 am—8:45 am	Mounted bearings: overview
8:45 am—9:30 am	IIoT technologies: solutions for mounted bearings
9:45 am—10:15 am	Mounted bearings: engineering
10:15 am—12:00 pm	Mounted bearings: ball, spherical, and tapered
12:00 pm—1:00 pm	Lunch with Dodge Inside Sales department
1:00 pm—1:30 pm	Mounted bearings: plain
1:30 pm—2:45 pm	Lab: hands-on exercises
3:00 pm—5:00 pm	Mounted bearings: guided selection and selection best practices
Day 3 – Wednesday	
7:45 am—8:15 am	Travel to Dodge Greenville gear plant
8:15 am—8:30 am	Homework review
8:30 am—10:00 am	Dodge Greenville gear plant tour
10:00 am—10:15 am	Travel to Simpsonville office
10:15 am – 10:30 am	Dodge Application Engineering department: overview
10:30 am—11:30 am	Motor and gearing fundamentals
11:30 am—12:30 pm	Lunch
12:30 pm—3:00 pm	Torque-Arm family: overview
3:00 pm—4:00 pm	Torque-Arm family: hands-on exercise
4:00 pm—5:00 pm	Maxum® XTR and MagnaGear XTR®: overview
Day 4 – Thursday	
8:00 am—8:15 am	Homework review
8:15 am—8:45 am	Renewal parts and remanufacturing services
8:45 am—9:45 am	Heavy-duty gearing: applications and selections
9:45 am—12:00 pm	Quantis®: overview
12:00 pm—1:00 pm	Lunch
1:00 pm—2:30 pm	Tigear®-2: overview
2:30 pm—4:00 pm	Standard-duty gearing: applications and selections
4:00 pm—5:00 pm	Gearing best practices
Day 5 – Friday	
7:45 am—8:00 am	Homework review
8:00 am—9:00 am	Climax Metal Products: overview
9:15 am—10:00 am	Conveyor components: overview
10:00 am—11:00 am	System1™ (bulk material handling): overview
11:00 am—11:30 am	Field services: overview
11:30 am—1:00 pm	Lunch and final exam

NOTE: all times listed are in Eastern Standard Time (EST)