

	Taiwan Manufacture Orders	New Orders	Production	Employment	Supplier Deliveries	Inventories	Customers' Inventories	Prices	Backlog of Orders	New Export Orders	Imports	Future Outlooks	Production Materials	MRO Supplies	Capital Expenditure	
Jul-12	47.1	45.5	41.6	48.5	49.1	50.7	52.1	41.9	46.3	47.0	47.4	28.8	30	20	46	
Aug-12	48.2	47.4	49.8	49.7	44.3	50.0	50.3	54.1	44.6	43.3	45.5	32.8	32	24	46	
Sep-12	49.9	53.2	50.3	50.5	46.6	49.0	46.5	54.3	42.5	49.1	45.3	33.0	32	23	39	
Oct-12	49.3	48.0	52.6	51.6	46.8	47.5	47.2	49.8	43.1	44.8	44.4	31.7	31	23	48	
Nov-12	51.7	55.8	55.7	52.8	52.8	47.9	46.3	47.7	46.3	47.0	46.3	43.9	40.3	30	22	45
Dec-12	55.0	62.1	63.0	53.9	48.2	47.8	47.6	52.8	46.6	47.9	50.4	50.4	31	20	45	
Jan-13	55.9	63.1	54.0	57.8	51.5	53.0	49.2	60.0	53.7	59.1	57.3	61.4	31	22	43	
Feb-13	54.5	57.7	60.2	55.4	50.0	49.2	45.5	62.9	50.3	52.8	49.6	67.7	32	22	40	
Mar-13	52.9	50.9	48.3	54.0	53.9	57.5	47.5	56.1	56.3	65.2	62.5	65.3	35	24	45	
Apr-13	53.0	47.9	51.2	52.7	53.3	59.6	53.6	38.7	50.7	53.5	56.4	57.1	33	21	40	
May-13	53.6	50.6	51.6	52.3	54.9	55.7	50.3	38.7	49.9	52.1	52.3	54.1	32	23	46	
Jun-13	52.8	50.8	53.1	55.5	50.1	54.3	51.9	40.4	46.2	46.3	48.0	51.7	33	25	46	
Jul-13	52.8	54.4	57.2	52.2	48.3	51.9	51.5	49.1	47.7	48.1	47.7	51.0	32	25	48	
Aug-13	53.3	56.5	57.8	53.2	49.6	49.5	45.7	55.7	46.3	49.8	46.5	53.3	32	22	38	
Sep-13	54.5	55.8	60.8	54.0	52.6	49.4	46.1	55.7	45.8	48.7	52.2	51.0	30	23	43	
Oct-13	53.8	55.8	58.5	53.1	51.9	49.7	45.6	54.0	47.9	47.8	47.6	47.3	31	22	42	
Nov-13	54.5	57.1	54.5	56.7	50.8	49.3	46.9	48.4	45.7	46.9	48.2	48.3	32	25	45	
Dec-13	54.0	58.7	57.3	54.4	52.1	47.5	45.4	52.6	46.9	53.2	51.3	54.8	32	24	44	
Jan-14	53.8	57.2	50.3	55.2	52.9	53.6	46.5	57.8	52.0	52.6	53.0	65.1	33	23	47	
Feb-14	56.0	53.8	64.5	54.6	54.4	52.5	45.8	55.5	48.7	51.3	49.9	64.4	32	24	47	
Mar-14	56.2	56.8	56.2	55.9	54.2	57.9	47.2	53.8	60.1	63.4	63.7	63.7	33	25	46	
Apr-14	56.5	58.8	58.6	56.0	56.5	52.6	41.6	56.1	57.3	62.0	60.4	66.0	34	26	55	
May-14	56.4	58.3	56.2	56.2	56.3	54.8	44.3	53.7	54.6	58.3	58.4	65.3	34	24	51	
Jun-14	57.2	58.2	59.2	55.8	57.4	55.3	48.3	55.6	53.0	57.5	57.6	68.4	33	24	51	
Jul-14	58.5	63.6	63.0	57.0	54.2	54.5	49.1	58.0	50.7	56.1	58.9	65.5	33	25	48	
Aug-14	56.0	56.8	57.1	55.1	55.8	55.3	51.6	53.1	49.7	54.1	56.9	60.6	30	25	46	
Sep-14	54.0	54.7	57.0	54.7	52.2	51.5	50.2	46.6	45.2	50.8	54.1	54.1	32	26	50	
Oct-14	53.3	53.8	54.8	48.8	50.7	50.1	36.4	47.0	50.2	48.5	43.4	44.2	34	24	44	
Nov-14	52.8	54.5	56.5	52.7	48.5	51.7	47.4	32.0	44.3	47.2	49.5	44.3	30	25	46	
Dec-14	52.5	55.7	55.7	53.2	48.3	49.6	46.7	31.1	43.4	47.1	46.8	49.8	33	24	51	
Jan-15	53.4	55.6	57.3	51.7	50.8	51.8	47.8	27.7	50.6	51.6	53.4	58.5	31	24	46	
Feb-15	53.7	53.7	57.0	51.4	52.3	54.2	47.6	38.3	48.9	49.2	49.8	61.8	34	25	49	
Mar-15	51.5	49.9	49.2	51.4	52.4	54.8	45.5	40.5	52.7	60.4	56.2	61.0	33	27	49	
Apr-15	49.8	46.2	49.0	52.4	49.3	51.5	49.6	41.9	40.5	52.4	54.5	57.4	33	26	52	
May-15	48.8	45.2	47.8	48.9	48.4	53.5	46.2	48.4	47.2	47.4	47.5	52.7	31	27	48	
Jun-15	48.6	46.4	47.0	51.1	49.3	49.4	47.5	37.6	42.4	45.4	48.0	53.1	31	25	48	
Jul-15	48.3	44.7	48.9	51.2	49.0	47.6	49.0	33.4	42.0	41.2	44.6	42.6	29	24	47	
Aug-15	47.0	44.4	49.4	48.4	45.5	47.2	49.0	30.5	39.4	39.5	39.9	33.6	30	25	46	
Sep-15	46.8	47.6	49.4	47.7	48.0	41.4	44.2	32.1	39.8	43.8	42.2	33.1	30	24	41	
Oct-15	47.6	49.5	50.5	48.1	47.9	42.2	45.6	37.8	42.5	46.7	40.7	35.9	28	23	45	
Nov-15	48.2	51.4	52.2	47.9	42.8	46.5	43.7	34.8	44.5	45.7	43.9	37.6	30	24	46	
Dec-15	48.7	50.1	53.4	49.5	46.1	44.1	43.9	28.3	44.1	43.8	41.6	38.0	29	24	45	
Jan-16	49.6	51.5	45.4	53.2	51.1	46.8	45.4	30.3	46.4	50.2	48.8	42.5	30	25	47	
Feb-16	48.3	49.7	47.6	48.7	51.1	44.5	43.4	44.3	43.1	42.1	40.3	48.7	29	25	44	
Mar-16	47.1	45.6	44.1	48.6	49.7	48.4	43.8	57.0	54.3	56.6	55.0	51.8	31	25	49	
Apr-16	50.8	49.1	50.5	48.2	53.3	58.9	46.0	59.9	44.4	56.4	51.7	56.7	34	27	54	
May-16	52.3	53.6	51.9	51.6	51.8	52.8	44.4	57.6	51.9	53.6	54.5	52.4	33	25	52	
Jun-16	52.4	53.3	53.6	50.1	52.2	52.5	43.2	54.3	51.7	50.3	51.4	53.8	33	27	53	
Jul-16	53.8	55.6	57.2	51.5	52.4	52.2	46.5	57.0	50.0	51.8	54.0	55.5	34	28	55	
Aug-16	55.5	57.8	59.7	56.4	52.7	51.0	47.0	57.8	50.4	55.9	51.8	55.2	34	27	56	
Sep-16	59.4	60.8	55.9	54.0	52.4	45.0	52.8	52.4	45.0	56.3	56.3	53.5	33	28	51	
Oct-16	57.5	62.1	63.5	56.5	52.7	52.7	44.0	59.3	51.4	54.0	54.7	51.8	35	28	56	
Nov-16	59.1	64.7	63.5	58.3	56.0	53.2	49.1	68.2	55.2	55.0	54.3	54.0	33	28	52	
Dec-16	55.9	57.0	57.4	55.9	56.1	53.2	48.7	74.1	53.2	53.7	55.4	59.8	33	28	56	
Jan-17	53.1	53.8	42.2	57.0	60.6	52.1	48.5	76.1	54.1	54.6	55.3	61.5	33	28	54	
Feb-17	63.7	68.8	75.7	58.7	60.4	54.8	43.7	76.4	54.7	58.7	56.8	64.4	34	28	59	
Mar-17	62.4	61.9	65.9	60.0	58.9	58.5	49.7	74.3	61.9	66.4	62.8	69.0	34	29	60	
Apr-17	58.4	57.5	58.9	57.7	59.7	58.1	49.9	66.8	57.3	58.7	61.5	63.2	34	28	61	
May-17	56.3	53.2	55.2	57.3	60.3	55.4	46.5	58.9	54.1	55.3	58.2	61.1	34	28	55	
Jun-17	54.8	52.2	50.5	57.4	59.0	54.9	45.9	58.2	54.0	57.9	55.2	59.1	36	29	65	
Jul-17	60.0	64.7	64.9	56.4	58.5	55.7	49.4	63.2	56.8	56.2	56.8	63.9	35	29	65	
Aug-17	58.9	63.0	62.4	56.8	60.9	51.2	49.6	73.0	52.6	59.7	57.8	63.8	35	29	62	
Sep-17	61.3	59.6	56.7	63.1	54.2	54.2	46.7	75.3	65.6	59.0	58.5	62.3	36	33	64	
Oct-17	58.9	61.5	61.1	57.5	59.7	54.8	48.2	72.5	54.5	57.1	58.7	59.1	35	29	64	
Nov-17	60.1	61.6	64.0	57.1	61.0	57.0	46.4	76.8	54.4	55.4	55.9	60.0	37	30	70	
Dec-17	60.2	63.1	61.6	57.1	60.4	54.7	45.2	73.2	54.1	55.6	54.6	58.8	34	31	70	
Jan-18	59.7	61.4	61.6	55.8	61.6	57.9	44.5	79.2	53.4	59.1	57.7	65.7	37	31	64	
Feb-18	56.7	58.6	58.7	56.9	62.5	56.9	45.7	74.9	51.7	48.4	51.2	65.7	39	30	70	
Mar-18	56.1	52.9	48.6	55.1	62.7	61.2	50.7	75.4	62.9	64.4	59.7	64.8	37	30	68	
Apr-18	56.5	53.5	54.0	54.8	62.2	58.1	48.7	71.7	55.2	57.1	58.4	63.0	37	32	67	
May-18	56.2	52.7	54.9	55.2	59.2	59.1	50.3	76.3	53.8	56.1	55.7	63.3	38	31	69	
Jun-18	55.8	55.0	55.1	54.3	60.2	54.6	48.1	76.1	54.2	57.1	58.9	60.8	39	32	69	
Jul-18	55.3	54.2	57.1	53.1	57.2	55.1	49.7	68.6	48.6	53.4	57.2	55.5	36	32	64	
Aug-18	54.3	54.3	53.5	54.7	55.4	50.4	45.6	65.6	52.9	56.0	56.0	54.1	36	33	63	
Sep-18	54.6	56.0	57.9	52.0	54.8	52.1	51.1	61.4	48.7	48.7	47.6	37	33	69		
Oct-18	51.2	49.2	55.3	50.1	51.6	50.0	48.9	55.3	43.2	47.1	47.0	40.6	37	30	65	
Nov-18	46.7	44.2	45.8	49.4	45.9	48.0	50.1	44.6	41.1	41.6	41.4	33.7	36	31	62	
Dec-18	46.5	46.6	47.1	48.0	45.0	45.8	47.8	40.1	36.8	38.7	39.0	33.2	35	29	62	
Jan-19	46.1	43.0	43.1	50.0	46.3	48.0	48.9	46.1	42.6	42.8	43.0	34.9	35	28	61	
Feb-19	47.4	42.9	45.1	50.0	46.1	50.1	47.6	52.1	42.0	38.9	39.7	42.9	36	31	69	
Mar-19	49.1	47.7	50.2	48.2	47.7	51.8	46.5	55.2	52.8	57.5	51.7	52.1	36	31	69	
Apr-19	51.7	50.9	51.9	51.5	50.5	53.7	42.6	50.7	49.9	56.7	53.8	55.7	36	30	65	
May-19	48.2	47.5	46.5	49.2	48.3	49.6	46.4	43.7	48.4	49.7	48.4	48.5	37	31	62	
Jun-19	48.1	48.7	49.7	48.7	47.9	45.5	46.1	40.7	47.8	48.1	45.7	42.9	34	28	62	
Jul-19	48.0	48.2	50.3	50.1	45.8	45.8	44.6	49.0	44.8	46.8	47.5	49.3	36	31	66	
Aug-19	48.7															

	C&M P/M	New Orders	Production	Employment	Supplier Deliveries	Inventories	Customers' Inventories	Prices	Backlog of Orders	New Export Orders	Imports	Future Outlooks	Production Materials	MRO Supplies	Capital Expenditures	
Jul-12	54.5	56.8	54.5	59.1	45.5	56.8	50.0	54.5	56.8	65.9	61.4	38.6	23	33	49	
Aug-12	47.8	47.0	50.0	43.8	43.8	52.1	50.0	61.3	41.7	45.8	62.1	45.8	30	25	37	
Sep-12	49.6	40.4	46.2	51.9	53.8	58.8	44.2	80.8	50.0	50.0	48.1	48.1	28	26	55	
Oct-12	49.6	44.6	51.8	53.6	48.2	50.0	57.1	57.1	44.6	42.9	39.3	28.6	33	28	72	
Nov-12	51.4	50.0	48.2	51.8	53.6	53.6	42.9	48.2	48.2	50.0	50.0	46.4	29	26	73	
Dec-12	54.3	55.0	56.7	60.0	50.0	50.0	46.7	55.0	46.7	48.3	41.7	53.3	30	24	60	
Jan-13	55.9	57.4	48.1	59.3	51.9	63.0	53.7	64.8	38.9	53.7	55.6	59.3	39	32	54	
Feb-13	50.4	58.9	44.6	53.6	53.6	41.1	35.7	69.6	44.6	50.0	46.4	67.9	31	18	25	
Mar-13	64.5	72.4	75.9	58.6	55.2	60.3	48.3	56.9	58.6	65.5	62.1	72.4	35	28	34	
Apr-13	49.4	45.2	45.2	53.2	48.4	54.8	61.3	35.5	45.2	46.8	54.8	54.8	35	19	36	
May-13	57.6	66.7	62.1	56.1	50.0	53.0	43.9	42.4	45.5	59.1	54.5	57.6	32	20	61	
Jun-13	54.8	58.6	58.6	55.2	50.0	51.7	55.2	29.3	46.6	46.6	43.1	48.3	29	23	55	
Jul-13	52.1	52.6	57.7	57.7	51.3	41.0	53.8	57.7	51.3	53.8	51.3	50.0	31	28	53	
Aug-13	54.3	55.7	57.1	55.7	57.1	51.4	52.9	55.7	50.0	52.9	45.7	54.7	24	24	44	
Sep-13	51.3	51.3	52.6	55.3	53.9	43.4	46.1	68.4	47.4	51.3	59.2	56.6	26	20	44	
Oct-13	60.0	61.6	62.8	60.5	58.1	57.0	46.5	59.3	55.8	57.0	61.6	59.3	33	28	53	
Nov-13	53.5	48.8	48.8	58.8	56.3	55.0	48.8	50.0	53.8	53.8	62.5	55.0	38	31	67	
Dec-13	60.0	61.3	67.5	58.8	53.8	58.8	46.3	61.3	47.5	56.3	61.3	52.5	37	32	53	
Jan-14	58.2	56.4	60.3	57.7	55.1	46.7	55.1	46.2	75.6	50.0	57.7	57.7	64.1	33	52	
Feb-14	53.6	67.4	50.0	61.5	47.4	52.6	64.1	44.9	51.1	52.6	52.6	59.0	33	29	71	
Mar-14	58.8	61.3	61.3	62.5	55.0	53.8	55.0	65.0	58.8	52.5	65.0	63.8	35	28	56	
Apr-14	55.7	61.4	55.7	58.6	52.9	50.0	41.4	58.6	54.3	61.4	61.4	62.9	42	31	63	
May-14	52.0	50.0	42.9	57.1	55.7	54.3	41.4	55.7	51.4	54.3	54.3	60.0	36	28	67	
Jun-14	61.1	59.5	63.5	62.2	62.2	58.1	48.6	70.3	48.6	64.9	64.9	75.7	34	24	61	
Jul-14	56.7	60.7	56.0	52.4	52.4	63.6	51.2	65.8	50.0	56.0	56.0	70.2	35	24	54	
Aug-14	54.3	50.0	52.5	57.5	53.8	57.5	57.5	55.0	46.3	57.5	60.0	55.0	33	36	45	
Sep-14	52.3	46.3	53.8	50.0	55.0	56.3	47.5	50.0	40.0	50.0	52.5	55.0	35	31	60	
Oct-14	52.5	50.0	55.6	52.8	50.0	54.2	51.4	31.9	55.6	59.7	47.2	44.4	31	33	58	
Nov-14	49.4	45.8	51.4	48.6	48.6	52.8	50.0	23.6	48.6	45.8	54.2	45.8	24	26	41	
Dec-14	48.8	43.8	47.5	53.8	46.3	52.5	41.3	27.5	47.5	47.5	52.5	48.8	33	27	48	
Jan-15	48.6	42.2	50.0	47.3	51.4	48.6	48.6	45.9	48.6	48.6	48.6	55.4	31	26	40	
Feb-15	52.1	53.6	48.8	50.0	52.4	56.0	51.2	52.4	69.7	57.1	52.4	69.0	33	26	43	
Mar-15	60.0	68.8	73.8	47.5	53.8	56.3	47.5	63.8	50.0	65.0	67.5	65.0	37	34	57	
Apr-15	57.8	60.0	62.5	53.8	58.8	58.8	46.3	68.8	51.3	55.0	60.0	60.0	33	32	67	
May-15	55.4	59.5	59.5	54.1	52.7	51.4	44.6	62.2	50.0	59.5	62.2	59.5	31	31	52	
Jun-15	52.1	55.9	54.4	55.9	54.4	39.7	50.0	52.9	51.5	61.8	52.9	54.4	38	27	52	
Jul-15	50.3	46.2	44.9	56.4	48.9	56.4	50.0	48.7	34.6	49.7	43.6	39.7	34	31	41	
Aug-15	49.7	44.9	47.4	55.1	50.0	51.3	48.7	21.8	42.3	47.4	47.4	34.6	32	33	42	
Sep-15	48.4	46.1	46.1	48.7	52.6	48.7	51.3	23.7	51.3	48.7	43.4	35.5	31	33	41	
Oct-15	54.1	57.7	55.1	52.6	57.7	47.4	48.7	43.6	48.7	51.3	62.8	43.6	31	32	53	
Nov-15	45.5	40.8	43.4	50.0	46.1	47.4	35.5	40.8	47.4	48.7	44.7	38.2	35	29	46	
Dec-15	49.4	48.6	50.0	50.0	54.2	50.0	44.4	41.1	43.1	41.7	52.8	43.1	32	27	40	
Jan-16	51.8	53.9	53.9	52.6	46.1	52.6	53.9	52.6	55.3	59.2	52.6	35.5	28	31	51	
Feb-16	44.2	37.5	31.9	55.6	50.0	45.8	48.6	48.6	54.2	47.2	50.0	29	35	50		
Mar-16	58.3	62.9	65.7	52.9	54.3	55.7	42.9	75.7	52.9	55.7	65.7	57.1	29	32	59	
Apr-16	61.5	65.0	67.5	56.3	56.3	62.5	42.5	70.0	53.8	63.8	63.8	63.8	41	40	74	
May-16	54.3	51.3	52.5	57.5	53.8	56.3	50.0	67.5	43.8	50.0	56.3	52.5	40	34	52	
Jun-16	56.3	64.5	59.2	51.3	59.2	51.3	40.3	51.3	50.0	54.3	54.3	59.2	34	34	57	
Jul-16	51.6	52.6	52.6	56.3	51.3	46.1	50.0	57.9	48.7	51.3	56.6	52.6	34	40	75	
Aug-16	50.5	48.8	50.0	51.2	51.2	51.2	46.3	62.2	52.4	52.4	57.3	57.3	38	44	66	
Sep-16	52.5	51.3	56.3	53.8	52.5	48.8	36.3	61.3	46.3	56.3	52.5	61.3	34	34	50	
Oct-16	54.0	56.0	58.3	53.6	52.4	50.0	41.7	71.4	50.0	61.9	59.5	56.0	39	41	65	
Nov-16	56.8	63.4	54.9	56.1	62.2	47.6	37.8	72.0	56.1	58.5	61.0	58.5	37	43	64	
Dec-16	56.5	57.3	57.3	57.3	57.3	57.3	45.1	76.8	54.9	54.9	64.6	64.6	36	36	56	
Jan-17	52.9	47.6	46.8	56.0	56.0	56.0	47.6	81.0	63.1	61.9	59.5	73.8	35	42	64	
Feb-17	56.3	48.8	47.5	66.3	57.5	61.3	46.3	85.0	53.8	51.3	61.3	65.0	36	40	59	
Mar-17	60.3	63.8	63.8	62.5	56.3	55.0	46.3	65.0	53.8	58.8	65.0	70.0	38	36	55	
Apr-17	57.8	58.8	61.3	57.5	55.0	56.3	47.5	58.8	51.3	52.5	52.5	63.8	37	33	56	
May-17	54.9	51.0	59.2	56.1	55.1	55.1	44.9	49.0	45.9	53.1	60.2	59.2	33	35	61	
Jun-17	49.6	52.3	47.9	50.0	51.0	46.9	52.1	67.9	60.4	65.9	60.4	52.3	43	46	66	
Jul-17	50.2	45.7	47.8	58.7	52.2	46.7	44.6	48.9	45.7	46.7	47.8	60.9	36	34	63	
Aug-17	55.2	60.9	58.7	56.5	53.3	46.7	42.4	68.5	50.0	60.9	66.3	65.2	43	45	58	
Sep-17	55.1	56.4	51.1	58.5	54.3	55.3	53.2	78.7	56.4	55.3	59.6	62.8	41	49	74	
Oct-17	54.1	64.1	59.8	54.3	50.0	42.4	46.7	71.7	44.6	62.0	55.4	67.4	39	40	60	
Nov-17	53.6	53.3	56.7	54.4	53.3	50.0	48.9	77.8	50.0	56.7	54.4	65.6	38	40	70	
Dec-17	65.9	66.3	65.9	57.6	52.2	53.3	46.7	77.4	51.3	62.0	54.3	67.4	38	43	69	
Jan-18	59.1	67.0	60.2	54.5	60.2	53.4	43.2	79.5	51.1	60.2	62.5	68.2	38	43	68	
Feb-18	54.4	52.2	48.9	55.6	60.0	42.2	70.0	50.0	52.2	51.1	65.6	39	40	73		
Mar-18	62.2	67.8	71.1	57.8	58.9	55.6	51.1	72.2	55.6	74.4	61.1	66.7	41	36	82	
Apr-18	53.9	56.1	55.1	52.0	52.0	54.1	49.0	72.4	49.0	50.0	57.1	61.2	36	47	78	
May-18	55.1	58.1	61.6	56.1	58.1	50.0	47.7	80.2	52.3	54.5	57.0	61.6	43	72	73	
Jun-18	52.7	43.9	48.8	57.3	52.4	61.0	45.1	76.8	47.6	48.8	53.7	57.3	39	41	71	
Jul-18	47.6	45.6	48.9	52.2	48.9	42.2	45.6	66.7	47.8	46.7	55.6	55.6	40	44	65	
Aug-18	51.0	48.8	46.4	56.0	52.4	51.2	41.7	72.6	46.4	52.4	48.8	52.4	40	45	74	
Sep-18	49.3	50.0	48.8	51.3	47.5	48.8	56.3	73.8	46.3	47.5	52.5	51.3	39	40	65	
Oct-18	48.4	47.4	48.7	55.3	50.0	40.8	46.1	61.8	44.7	48.7	52.6	42.1	37	37	60	
Nov-18	48.5	45.0	45.0	56.3	46.3	50.0	53.8	46.3	41.3	42.5	43.8	37.5	37	48	67	
Dec-18	45.3	37.5	38.9	52.8	50.0	47.2	41.7	44.4	40.3	48.6	45.8	43.1	33	31	62	
Jan-19	48.4	37.8	45.9	56.8	50.0	51.4	47.3	44.6	39.2	40.5	47.3	39.2	31	30	52	
Feb-19	54.4	54.7	43.0	53.5	52.3	68.6	45.3	60.5	57.0	58.1	62.8	54.7	40	35	77	
Mar-19	54.3	57.5	61.3	47.5	48.8	56.3	48.8	58.8	56.3	62.5	58.8	50.0	40	39	71	
Apr-19	58.8	65.5	64.3	59.5	52.4	52.4	45.2	61.9	51.2	59.5	63.1	57.1	37	31	63	
May-19	56.8	56.3	57.5	56.3	57.5	56.3	56.3	50.0	45.0	48.3	46.3	57.5	50.0	45	40	71
Jun-19	50.6	51.5	54.5	51.5	50.0	45.5	45.5	40.9	56.1	59.1	50.0	59.1	40	35	50	
Jul-19	47.3	46.3	42.5	48.8	51.3	47.5	42.5	37.5	43.8	45.0	53.8	51.3	41	39	70	
Aug-19	51.8	50.0	56.3	52.5	45.											

	Elec PMI	New Orders	Production	Employment	Supplier Deliveries	Inventories	Customers' Inventories	Prices	Backlog of Orders	New Export Orders	Imports	Future Outlooks	Production Materials	MRO Supplies	Capital Expenditures	
Jul-12	49.6	53.7	48.5	50.7	45.5	49.3	54.5	44.8	44.8	51.5	49.3	35.8	29	15	41	
Aug-12	47.6	49.1	46.2	48.7	45.5	49.1	49.4	46.2	44.2	43.6	34.0	30	18	18	35	
Sep-12	46.7	44.4	43.8	51.2	44.4	49.4	49.4	50.0	43.2	50.0	46.3	29.0	28	18	24	
Oct-12	44.6	41.1	44.3	48.1	44.9	44.3	45.6	45.6	43.7	44.9	44.9	29.1	27	19	28	
Nov-12	46.7	46.9	46.3	46.9	47.5	45.7	50.0	43.2	43.8	43.2	39.5	34.0	28	17	28	
Dec-12	48.1	45.8	50.0	48.2	47.6	48.8	48.8	44.6	39.3	43.5	44.6	45.8	28	17	34	
Jan-13	58.0	63.3	63.3	55.0	52.2	56.1	50.0	48.9	51.1	59.4	55.6	58.9	28	17	33	
Feb-13	48.8	51.7	44.8	46.6	47.7	52.3	50.6	48.3	54.0	47.1	64.9	28	18	36	36	
Mar-13	65.6	75.6	78.5	57.0	57.6	59.3	46.5	52.9	59.9	73.3	65.7	69.8	32	19	40	
Apr-13	60.3	63.0	66.8	56.5	56.0	59.2	50.0	44.6	57.6	60.3	60.3	67.4	32	20	42	
May-13	58.6	59.1	62.5	56.8	59.7	55.1	49.4	42.0	52.3	56.8	56.8	64.8	32	22	38	
Jun-13	56.3	57.0	57.6	57.6	55.2	54.1	55.8	48.8	46.5	50.0	50.0	62.8	32	22	39	
Jul-13	53.8	51.1	55.9	55.3	50.5	56.4	58.0	45.2	48.9	48.4	46.3	52.1	31	21	36	
Aug-13	49.5	51.1	51.6	47.3	46.2	46.2	48.4	42.9	47.8	40.7	50.0	33	34	19	34	
Sep-13	54.2	54.5	58.5	55.7	52.3	50.0	47.2	50.0	46.6	51.7	50.6	48.3	27	21	32	
Oct-13	47.2	45.0	48.5	50.0	49.0	43.5	39.0	48.0	40.5	44.0	41.5	45.0	29	20	35	
Nov-13	48.8	50.0	51.0	50.0	48.0	45.1	50.5	44.6	42.1	43.1	43.6	48.5	28	17	32	
Dec-13	53.0	58.0	56.0	52.5	53.0	45.5	47.5	47.0	47.0	53.5	49.0	56.5	29	19	39	
Jan-14	53.7	55.1	50.0	54.7	55.1	55.1	50.0	51.9	51.4	50.9	66.4	32	19	46	46	
Feb-14	50.9	49.0	42.0	45.0	56.5	57.5	46.0	49.0	48.5	49.0	49.5	72.0	30	19	38	
Mar-14	64.7	72.6	72.1	63.0	55.8	60.1	46.6	46.6	66.3	69.7	63.5	75.0	29	19	44	
Apr-14	63.3	71.6	72.5	61.5	56.9	54.1	37.6	51.8	61.5	65.6	63.3	72.9	31	21	58	
May-14	63.3	68.4	70.4	61.2	60.7	55.8	42.7	50.0	60.2	63.6	63.1	70.9	33	22	51	
Jun-14	60.9	66.0	66.0	57.3	59.7	55.3	47.6	51.5	56.3	61.2	59.7	73.3	32	21	48	
Jul-14	63.9	71.4	71.9	61.0	61.9	53.3	46.7	58.5	53.3	64.8	62.9	66.6	30	19	45	
Aug-14	58.4	60.3	61.3	54.4	60.8	55.4	51.0	53.4	52.0	56.4	57.4	65.7	28	21	45	
Sep-14	55.5	56.7	59.1	54.8	55.3	51.4	55.3	50.0	51.4	54.8	53.8	58.7	29	21	44	
Oct-14	52.7	55.3	54.3	53.4	48.6	51.9	49.5	38.9	46.2	51.0	45.7	44.7	28	19	37	
Nov-14	48.2	45.5	47.0	48.0	50.5	50.0	48.0	35.5	40.5	49.5	46.5	46.0	29	21	41	
Dec-14	48.6	47.5	49.5	50.5	48.5	47.0	45.5	33.3	41.9	44.9	43.4	51.0	29	19	44	
Jan-15	52.9	56.4	57.8	49.0	51.0	50.5	47.1	25.0	53.9	54.9	53.4	65.2	30	22	42	
Feb-15	46.0	45.1	37.8	42.1	54.0	51.5	49.5	35.6	50.5	50.0	51.0	66.3	31	21	46	
Mar-15	63.2	73.4	75.0	53.2	56.4	58.0	45.7	40.4	54.8	67.6	59.6	68.6	30	22	44	
Apr-15	55.2	58.6	59.5	53.8	49.5	54.8	48.1	42.4	53.8	57.6	55.7	63.8	32	23	51	
May-15	50.8	57.6	53.9	50.0	46.6	55.8	46.1	45.1	46.1	45.6	44.2	56.3	31	25	47	
Jun-15	52.4	52.3	55.1	53.3	47.2	54.2	48.6	33.6	43.0	46.3	49.1	62.2	29	23	49	
Jul-15	50.5	50.5	54.2	54.2	47.2	47.2	48.1	32.9	42.1	47.2	42.6	48.6	26	26	46	
Aug-15	45.6	43.6	46.8	47.7	45.0	45.0	48.6	32.1	38.1	40.8	36.7	37.6	28	22	50	
Sep-15	47.8	51.3	50.9	49.6	48.2	38.9	41.2	35.4	39.4	49.1	45.1	37.6	28	22	41	
Oct-15	47.7	50.9	50.9	48.6	47.2	40.7	46.3	36.1	44.4	50.0	39.8	36.6	28	20	45	
Nov-15	45.9	46.2	47.6	48.1	40.1	47.6	42.9	33.5	45.3	45.8	45.8	39.2	28	21	46	
Dec-15	45.1	44.2	48.1	45.2	46.6	41.3	41.3	26.9	45.2	45.8	39.4	40.9	28	21	47	
Jan-16	50.7	50.5	52.8	50.9	51.9	47.7	45.3	26.6	45.3	51.9	49.1	65.3	29	23	46	
Feb-16	40.9	32.8	27.0	44.1	55.9	44.6	44.6	38.2	39.7	37.3	38.7	48.5	25	20	41	
Mar-16	54.5	59.5	66.7	52.4	48.6	45.2	41.0	49.0	52.9	58.6	54.3	51.0	27	21	43	
Apr-16	51.6	54.7	55.1	47.4	51.3	49.6	45.3	50.4	51.7	54.3	49.1	55.1	27	20	44	
May-16	53.6	57.0	57.0	53.7	50.4	50.0	43.8	52.1	48.3	53.3	53.7	53.3	27	19	51	
Jun-16	53.5	57.3	55.0	50.0	52.3	52.7	45.7	48.2	51.4	53.6	50.9	60.9	29	21	51	
Jul-16	55.8	58.6	61.7	50.9	55.9	51.8	45.5	51.8	52.7	55.9	55.0	60.4	29	21	52	
Aug-16	57.3	61.5	61.1	57.1	56.6	50.4	46.0	52.7	54.4	59.3	54.9	58.4	30	20	58	
Sep-16	62.5	69.9	70.8	58.4	58.4	54.9	46.5	52.7	60.2	65.5	63.7	57.5	31	23	48	
Oct-16	56.5	59.4	59.4	57.3	54.3	52.1	41.0	53.8	54.7	59.0	56.4	55.1	29	22	52	
Nov-16	55.1	56.1	59.2	54.8	53.9	51.3	47.8	63.2	53.1	54.4	51.8	51.8	27	20	49	
Dec-16	54.0	55.0	56.8	52.7	56.8	48.6	46.8	71.4	51.8	54.5	52.7	59.1	28	23	57	
Jan-17	52.1	49.6	48.2	48.7	63.4	50.9	45.1	72.3	50.9	52.7	52.2	61.2	29	22	49	
Feb-17	57.6	61.1	50.8	54.9	65.6	53.7	45.1	73.8	57.8	60.2	55.7	69.3	30	24	61	
Mar-17	69.8	81.0	75.8	67.7	64.9	59.3	44.0	73.8	69.0	74.2	64.5	78.6	30	25	56	
Apr-17	65.2	70.2	71.0	63.4	65.5	55.9	48.3	68.1	63.4	66.4	64.3	73.5	32	26	59	
May-17	63.2	64.5	65.7	62.9	66.9	56.0	46.8	60.9	57.7	62.1	60.5	68.1	31	23	45	
Jun-17	62.1	64.2	63.8	62.5	65.4	65.4	45.8	62.9	60.0	62.9	56.7	65.0	33	26	60	
Jul-17	62.8	68.9	68.9	59.4	63.4	53.2	50.0	65.0	60.6	65.4	60.2	68.1	31	27	60	
Aug-17	62.9	68.7	67.1	59.8	65.9	53.3	51.2	68.3	56.1	63.8	63.0	66.7	32	25	57	
Sep-17	64.2	69.7	68.8	60.3	65.4	56.8	47.4	74.4	61.1	67.1	62.8	64.5	33	28	61	
Oct-17	61.8	63.1	62.3	59.7	66.5	57.2	44.1	72.9	55.9	59.3	63.3	60.6	31	25	60	
Nov-17	59.5	60.5	59.7	56.0	64.1	57.3	48.4	77.0	58.1	60.1	60.9	64.5	32	26	61	
Dec-17	58.2	58.7	60.9	52.6	65.2	53.5	45.0	72.6	52.6	57.4	55.2	61.9	31	26	66	
Jan-18	60.4	63.1	60.8	52.3	67.1	58.6	45.9	77.9	55.9	60.8	57.2	69.4	35	28	57	
Feb-18	50.7	44.6	34.3	47.1	69.0	58.3	48.3	74.4	53.7	48.3	50.0	71.9	34	25	65	
Mar-18	65.7	73.0	70.0	60.0	56.5	67.0	61.7	50.9	73.9	67.0	68.3	60.9	30	22	62	
Apr-18	65.3	66.5	69.3	60.6	67.4	62.8	46.8	71.1	57.3	60.6	60.1	67.9	35	27	65	
May-18	61.9	59.1	61.6	62.1	65.9	60.8	51.3	78.0	56.0	60.9	60.3	66.9	35	26	59	
Jun-18	60.5	63.8	63.4	56.3	66.5	62.7	56.7	75.0	55.4	61.6	61.2	67.4	35	27	62	
Jul-18	61.2	63.7	67.1	56.8	63.7	54.7	48.7	71.4	54.3	61.5	61.1	62.4	33	27	65	
Aug-18	61.5	64.2	64.6	58.0	60.4	60.4	52.4	65.6	56.1	60.8	62.3	60.4	33	30	59	
Sep-18	55.7	56.5	58.3	54.3	58.7	50.9	53.0	58.7	51.7	52.2	50.0	50.4	36	32	72	
Oct-18	51.3	50.0	53.0	49.6	54.7	49.1	50.4	54.7	47.4	50.4	49.1	39.3	32	27	64	
Nov-18	44.0	39.4	42.4	45.8	45.8	46.6	46.6	51.7	44.9	41.9	39.4	37.3	31.4	33	28	57
Dec-18	40.8	37.5	37.9	42.9	44.2	41.5	50.9	41.1	35.7	38.4	37.1	32.6	33	27	57	
Jan-19	44.7	42.0	48.7	43.8	43.8	45.5	50.4	44.6	40.6	42.0	41.1	33.0	31	25	54	
Feb-19	38.6	29.7	27.1	43.2	47.9	45.3	49.6	44.5	40.3	33.5	33.9	41.1	33	29	63	
Mar-19	56.7	64.0	69.8	54.1	47.7	47.7	46.8	50.0	54.5	50.0	53.6	31	26	65		
Apr-19	58.4	65.3	66.5	55.5	52.1	52.5	41.5	44.5	52.1	60.2	54.2	62.3	33	31	61	
May-19	52.8	56.9	55.1	52.3	48.1	51.4	48.2	42.1	48.1	53.7	49.1	52.8	33	30	54	
Jun-19	51.3	53.9	56.4	51.0	49.5	45.6	46.6	40.2	49.0	50.5	45.1	44.1	31	27	50	
Jul-19	51.6	54.5	57.3	55.5	45.5	45.5	42.7	45.5	47.7	51.8	48.2	51.4	33	30	64	
Aug-19	53.1	54.6														

	F&T PMI	New Orders	Production Employment	Supplier Deliveries	Inventories	Customers' Inventories	Prices	Backlog of Orders	New Export Orders	Imports	Future Outlooks	Production Materials	MRO Supplies	Capital Expenditures		
Jul-12	49.1	31.8	31.8	50.0	68.2	63.6	59.1	54.5	54.5	36.4	50.0	40.9	30	15	80	
Aug-12	62.7	81.8	54.5	50.0	59.1	63.6	63.6	50.0	59.1	36.4	31	24	31	24	117	
Sep-12	56.2	65.4	57.7	53.8	46.2	57.7	57.7	73.1	50.0	46.2	61.5	38.5	29	23	85	
Oct-12	44.7	36.7	36.7	53.3	46.7	50.0	43.3	63.3	30.0	43.3	50.0	43.3	39	42	132	
Nov-12	47.9	47.4	50.0	52.6	50.0	39.5	65.8	28.9	39.5	44.7	44.7	39.5	31	27	84	
Dec-12	50.0	47.2	47.2	55.8	52.8	47.2	55.6	47.2	36.1	50.0	60.0	63.9	41	34	16	64
Jan-13	55.0	63.9	63.9	52.8	52.8	41.7	66.7	61.1	50.0	66.7	55.6	52.8	32	12	80	
Feb-13	58.1	65.6	53.1	62.5	46.9	62.5	59.4	68.3	62.5	68.8	65.6	65.6	23	13	62	
Mar-13	56.3	60.5	57.9	52.6	42.1	68.4	50.0	60.5	47.4	55.3	68.4	65.8	43	23	49	
Apr-13	64.7	71.1	68.4	65.8	55.3	63.2	47.4	44.7	55.3	65.8	65.8	65.8	40	27	56	
May-13	55.6	52.8	50.0	52.8	63.9	58.3	58.3	47.2	52.8	52.8	52.8	50.0	29	21	55	
Jun-13	57.0	57.5	62.5	57.5	47.5	60.0	42.5	57.5	42.5	55.0	55.0	55.0	40	29	50	
Jul-13	58.6	54.5	54.5	58.2	50.0	65.9	65.9	54.5	54.5	47.7	52.3	54.5	28	20	53	
Aug-13	62.7	65.9	72.7	63.6	47.7	63.6	47.7	63.6	52.3	56.8	61.4	56.8	39	29	58	
Sep-13	49.5	50.0	47.6	52.4	50.0	47.6	50.0	54.8	40.5	54.8	42.9	47.6	29	23	50	
Oct-13	52.6	43.5	52.2	54.3	58.7	54.3	39.1	60.9	41.3	47.8	47.8	41.3	33	22	47	
Nov-13	52.1	52.1	52.1	56.3	45.8	54.2	45.8	56.3	50.0	39.6	52.1	43.8	32	29	48	
Dec-13	49.5	54.5	56.8	52.3	47.7	36.4	45.5	54.5	45.5	47.7	52.3	52.3	30	22	52	
Jan-14	60.0	58.7	71.7	56.5	47.8	60.0	65.2	60.9	65.2	58.7	54.3	65.2	35	29	57	
Feb-14	46.0	46.0	34.0	56.0	46.0	54.0	48.0	40.0	54.0	46.0	46.0	46.0	31	28	53	
Mar-14	59.2	62.5	60.4	64.6	45.8	62.5	50.0	66.7	56.3	60.4	60.4	45.8	42	29	54	
Apr-14	61.6	68.0	74.0	56.0	52.0	58.0	42.0	68.0	50.0	48.0	60.0	48.0	37	40	58	
May-14	56.1	60.9	58.7	54.3	52.2	54.3	50.0	63.0	39.1	54.3	54.3	36	30	47		
Jun-14	56.2	57.1	54.8	59.5	52.4	57.1	47.6	54.8	42.9	47.6	61.9	59.5	38	33	82	
Jul-14	52.9	57.1	52.4	66.7	35.7	52.4	52.4	54.8	40.5	47.7	57.1	59.5	35	34	65	
Aug-14	59.1	69.6	67.4	60.9	50.0	47.8	54.3	50.0	43.5	56.5	47.8	52.2	37	30	59	
Sep-14	51.3	54.3	50.0	60.9	45.7	45.7	43.5	47.8	37.0	39.1	60.9	52.2	34	33	59	
Oct-14	46.8	52.3	43.2	56.8	45.5	36.4	59.1	40.9	43.2	47.7	50.0	47.7	36	35	48	
Nov-14	55.7	57.1	54.8	59.5	40.5	66.7	42.9	54.8	47.6	57.1	59.5	39	35	50		
Dec-14	57.1	71.4	66.7	57.1	45.2	45.2	45.2	35.7	50.0	61.9	57.1	66.7	40	35	63	
Jan-15	61.7	69.6	67.4	60.9	58.7	52.2	56.5	43.5	52.2	58.7	61.4	45	35	57	55	
Feb-15	51.2	52.0	44.0	56.0	52.0	48.0	52.0	48.0	54.0	60.0	58.0	39	34	61		
Mar-15	57.9	54.2	60.4	60.4	56.3	58.3	41.7	50.0	43.8	52.1	58.3	60.4	36	34	64	
Apr-15	58.7	60.9	63.0	54.3	52.2	63.0	50.0	43.5	41.3	52.2	56.5	50.0	35	33	71	
May-15	57.5	56.6	60.4	56.3	47.9	58.3	43.8	66.7	47.9	52.1	60.4	60.4	33	33	67	
Jun-15	54.6	54.2	58.3	56.3	43.8	60.4	50.0	45.8	39.6	47.9	56.3	58.3	33	34	73	
Jul-15	55.4	56.3	58.3	56.3	47.9	58.3	56.3	50.0	47.9	43.8	68.8	41.7	35	32	64	
Aug-15	53.2	58.0	52.0	50.0	48.0	58.0	60.0	42.0	50.0	48.0	56.0	44.0	39	30	71	
Sep-15	53.2	56.8	50.0	59.1	52.3	47.7	56.8	47.7	50.0	52.3	47.7	34.1	35	33	65	
Oct-15	44.3	43.5	45.7	43.5	47.8	41.3	43.5	54.3	45.7	54.3	43.5	33	34	65		
Nov-15	52.8	58.0	58.0	44.0	48.0	46.0	48.0	52.0	52.0	54.0	50.0	48.0	39	34	73	
Dec-15	53.9	54.3	54.3	58.7	45.7	36.5	36.5	46.7	54.3	52.2	50.0	50.0	33	33	75	
Jan-16	60.0	74.0	72.0	54.0	48.0	52.0	56.0	56.0	50.0	48.0	58.0	44.0	35	33	61	
Feb-16	42.8	36.0	38.0	44.0	52.0	44.0	30.0	40.0	40.0	40.0	46.0	32	32	57		
Mar-16	46.4	46.0	44.0	50.0	48.0	44.0	44.0	58.0	42.0	46.0	48.0	42.0	50	39	78	
Apr-16	52.5	52.1	54.2	54.2	52.1	50.0	37.5	50.0	52.1	58.3	56.3	45.8	56	43	77	
May-16	53.3	55.6	57.4	53.7	46.3	53.7	40.7	66.7	48.1	38.9	44.4	40.7	41	37	67	
Jun-16	56.7	61.0	60.9	56.5	50.0	47.8	50.0	47.8	50.0	52.2	50.0	54.3	43.5	41	39	73
Jul-16	61.5	75.0	67.3	61.5	53.8	50.0	57.7	63.5	53.8	53.8	65.4	55.8	50	40	71	
Aug-16	61.6	70.0	64.0	60.0	60.0	54.0	40.0	66.0	52.0	64.0	58.0	62.0	48	33	64	
Sep-16	47.3	48.1	42.3	51.9	48.1	46.2	36.5	55.8	42.3	59.6	50.0	55.8	41	37	69	
Oct-16	52.4	52.0	52.0	56.0	50.0	52.0	56.0	60.0	50.0	52.0	54.0	56.0	50	42	72	
Nov-16	62.3	78.8	67.3	63.5	51.9	50.0	51.9	69.2	63.5	61.5	59.6	67.3	49	43	66	
Dec-16	61.9	69.2	69.2	55.8	51.9	63.5	50.0	65.4	63.5	55.8	65.4	63.5	47	41	68	
Jan-17	60.0	62.0	62.0	56.0	66.0	54.0	50.0	78.0	60.0	64.0	58.0	62.0	48	37	70	
Feb-17	47.1	50.0	39.6	50.0	58.3	37.5	33.3	68.8	41.7	54.2	52.1	52.1	49	40	78	
Mar-17	54.6	56.3	60.4	58.3	50.0	47.9	56.3	77.1	45.8	47.9	54.2	58.3	49	48	89	
Apr-17	49.2	48.0	52.0	50.0	52.0	44.0	46.0	76.0	48.0	46.0	54.0	52.0	46	43	66	
May-17	55.4	55.8	55.8	59.6	50.0	55.8	44.2	71.2	55.8	48.1	53.8	53.8	48	40	88	
Jun-17	47.6	44.0	42.0	56.0	50.0	44.0	46.0	44.0	62.0	36.0	46.0	46.0	49	38	82	
Jul-17	55.6	55.6	53.7	53.7	55.6	59.3	63.0	51.9	48.1	63.0	55.6	45	41	79		
Aug-17	54.1	59.3	55.6	50.0	59.3	46.3	50.0	70.4	46.3	57.4	44.4	53.7	46	32	84	
Sep-17	46.9	39.7	43.1	50.0	55.2	46.6	37.9	65.5	46.6	51.7	50.0	55.2	45	42	80	
Oct-17	51.1	53.6	48.2	46.4	55.4	51.8	51.8	71.4	55.4	55.4	60.7	55.4	47	36	78	
Nov-17	53.8	55.8	53.8	51.9	51.9	55.8	44.2	78.8	53.8	57.7	53.8	63.5	48	36	97	
Dec-17	58.0	64.0	64.0	56.0	58.0	50.0	44.0	54.0	50.0	60.0	58.0	48	45	91		
Jan-18	56.4	60.7	58.9	51.8	58.9	51.8	46.4	73.2	57.1	53.6	55.4	62.5	40	34	79	
Feb-18	41.1	30.4	28.6	50.0	53.6	42.9	44.6	62.5	42.9	42.9	44.6	50.0	45	34	79	
Mar-18	58.2	67.9	67.9	51.8	50.0	53.6	46.4	73.2	57.1	53.6	57.1	64.3	31	33	71	
Apr-18	53.0	55.0	58.3	55.0	50.0	46.7	46.7	65.0	51.7	55.0	51.7	61.7	36	34	63	
May-18	54.7	56.7	58.3	58.3	45.0	50.0	50.0	70.0	46.7	45.0	51.7	61.7	47	37	81	
Jun-18	53.6	53.6	60.7	51.8	48.2	53.6	39.3	67.9	48.2	48.2	57.1	55.4	53	37	80	
Jul-18	57.7	60.0	56.7	61.7	55.0	55.0	56.7	61.7	55.0	45.0	60.0	58.3	49	36	69	
Aug-18	57.2	60.9	60.9	59.4	51.6	53.1	68.8	56.3	54.7	60.9	56.3	50	36	75		
Sep-18	47.7	44.2	44.2	53.8	50.0	46.2	38.5	69.2	44.2	42.3	46.2	55.8	31	23	63	
Oct-18	52.4	48.5	48.5	60.6	50.0	54.5	48.5	56.1	50.0	50.0	54.5	53.0	45	33	74	
Nov-18	51.1	53.7	53.7	50.0	51.9	46.3	51.9	42.6	51.9	53.7	53.7	57.4	33	44	76	
Dec-18	54.8	55.6	57.4	55.6	55.6	50.0	48.1	51.9	48.1	51.7	50.0	39	33	76		
Jan-19	62.3	70.0	68.3	61.7	60.0	51.7	61.7	56.7	66.7	58.3	58.3	53.3	45	34	76	
Feb-19	39.7	28.8	22.7	51.5	51.5	43.9	47.0	59.1	37.9	40.9	34.8	51.5	45	34	76	
Mar-19	58.4	62.5	70.3	53.1	54.7	51.6	46.9	59.4	51.6	59.4	59.4	53.1	50	36	71	
Apr-19	53.5	51.6	58.1	53.2	48.4	56.5	40.3	64.5	51.6	56.5	54.8	50.0	51	32	88	
May-19	59.0	58.3	60.7	59.0	50.0	55.0	50.0	55.0	46.7	65.0	56.7	65.0	48.3	39	70	
Jun-19	54.8	63.0	55.6	57.4	50.0	48.1	42.6	59.3	61.1	51.9	51.9	44.4	35	22	75	
Jul-19	59.7	66.7	68.3	58.3	53.3	51.7	53.3	60.0	58.3	51.7	61.7	61.7	47	36	71	
Aug-19	53.1	56.9	58.6	51.7	48.3	50.0	53.4	41.4	44.8							

	MTIs PMI	New Orders	Production	Employment	Supplier Deliveries	Inventories	Customers' Inventories	Prices	Backlog of Orders	New Export Orders	Imports	Future Outlooks	Production Materials	MRO Supplies	Capital Expenditures	
Jul-12	38.4	25.7	27.1	45.7	51.4	47.1	52.9	24.3	41.4	38.6	35.7	4.3	37	25	47	
Aug-12	40.3	32.1	39.7	46.2	39.7	43.6	41.0	30.0	33.3	37.2	41.0	19.2	35	26	54	
Sep-12	46.6	50.0	39.5	52.6	47.4	43.4	35.5	39.5	31.6	52.6	35.5	31.6	38	29	43	
Oct-12	47.0	43.8	48.8	52.5	45.0	45.0	45.0	47.5	46.3	41.3	47.5	31.3	32	28	49	
Nov-12	54.7	68.4	63.2	55.3	44.7	42.1	40.8	57.9	55.3	53.9	52.6	53.9	32	25	55	
Dec-12	55.8	61.8	64.5	60.5	47.4	44.7	40.8	72.4	63.2	52.6	61.8	63.2	36	25	56	
Jan-13	58.8	80.5	64.6	53.7	50.0	45.1	45.1	84.1	70.7	57.3	63.4	70.7	34	28	47	
Feb-13	49.0	53.7	42.7	53.7	51.2	43.9	42.7	48.8	54.9	48.8	51.2	68.3	44	34	53	
Mar-13	56.1	56.6	67.1	53.9	50.0	52.6	53.9	57.9	52.6	52.6	51.3	51.3	38	34	64	
Apr-13	51.2	46.3	46.3	47.6	47.6	68.3	58.5	24.4	32.9	40.2	50.0	36.6	32	23	45	
May-13	44.9	39.0	32.9	47.6	45.1	59.8	56.1	25.6	40.2	35.4	40.2	31.7	35	29	60	
Jun-13	44.7	30.3	44.7	53.9	40.8	53.9	43.4	25.0	40.8	34.2	39.5	28.9	33	29	50	
Jul-13	50.8	64.1	61.5	46.2	38.5	43.6	33.3	55.1	41.0	47.4	50.0	51.3	39	38	65	
Aug-13	56.7	65.4	67.9	47.4	52.6	50.0	39.7	71.8	52.6	53.8	53.8	65.4	38	27	45	
Sep-13	50.3	41.0	53.8	51.3	51.3	53.8	46.2	61.5	44.9	41.0	56.4	57.7	38	28	59	
Oct-13	53.3	56.3	52.5	51.3	51.3	55.0	57.5	58.8	56.3	48.8	52.5	42.5	38	26	52	
Nov-13	53.5	51.3	57.5	53.8	53.8	51.3	42.5	48.8	41.3	43.8	47.5	41.3	41	39	66	
Dec-13	52.6	51.2	52.4	54.8	54.8	50.0	42.9	63.1	44.0	51.2	52.4	52.4	40	35	59	
Jan-14	47.3	47.7	46.6	47.7	50.0	44.3	40.9	63.6	48.9	48.9	48.9	65.9	35	28	55	
Feb-14	45.1	47.7	40.7	40.7	50.0	40.7	40.7	46.5	57.0	46.5	53.5	46.5	47	37	31	60
Mar-14	55.1	59.3	55.8	53.5	51.2	55.8	46.5	58.1	52.3	55.8	55.8	48.8	34	36	53	
Apr-14	58.4	67.8	64.4	51.1	61.1	47.8	48.9	67.8	57.8	66.7	60.0	57.8	38	28	58	
May-14	52.8	58.7	53.3	52.2	48.9	51.1	46.7	54.3	52.2	55.4	55.4	60.9	33	28	59	
Jun-14	51.2	47.7	52.3	48.8	53.5	53.5	53.5	53.5	48.8	50.0	50.0	59.3	35	29	54	
Jul-14	48.9	45.6	45.6	54.4	45.6	53.3	55.6	51.1	43.3	41.1	52.2	56.7	32	29	48	
Aug-14	50.2	45.3	44.2	50.0	52.3	59.3	52.3	51.2	46.5	48.8	61.6	55.8	33	26	58	
Sep-14	50.5	47.6	47.6	58.5	46.3	52.4	48.8	35.4	37.8	46.3	56.1	42.7	36	28	59	
Oct-14	50.6	41.0	54.0	57.0	46.0	55.0	49.0	30.0	41.0	43.0	55.0	35.0	34	27	51	
Nov-14	47.6	42.9	44.0	53.6	47.6	50.0	44.0	25.0	40.5	41.7	52.4	29.8	31	31	60	
Dec-14	48.4	44.4	42.2	52.2	46.7	56.7	54.4	24.4	37.8	42.2	45.6	34.4	36	31	60	
Jan-15	53.6	55.6	58.9	45.6	47.8	60.0	50.0	35.6	46.7	41.1	54.4	42.2	29	34	54	
Feb-15	47.2	35.9	37.0	51.1	48.9	63.0	42.4	33.7	40.2	38.0	43.5	46.7	36	31	57	
Mar-15	50.0	52.4	52.4	51.2	43.9	50.0	47.6	26.8	46.3	42.7	39.0	40.2	35	33	57	
Apr-15	46.7	40.8	48.0	50.0	41.8	53.1	44.9	27.6	37.8	37.8	44.9	39.8	35	32	49	
May-15	47.4	41.0	46.0	51.0	50.0	49.0	44.0	45.0	48.0	44.0	44.0	38.0	29	27	45	
Jun-15	43.8	42.2	42.2	45.6	51.1	37.8	42.2	37.8	37.8	33.3	42.2	32.2	28	29	41	
Jul-15	42.2	28.3	38.0	48.9	52.2	43.5	44.3	30.4	41.3	30.4	37.0	29.3	33	28	62	
Aug-15	40.0	23.9	35.2	46.6	45.5	48.9	44.3	26.1	37.5	30.7	39.8	19.3	35	29	49	
Sep-15	40.4	33.0	39.4	44.7	43.6	41.5	37.2	22.3	36.2	33.0	38.3	23.4	36	27	50	
Oct-15	41.8	36.7	36.7	46.7	45.6	43.3	40.0	30.0	38.9	40.0	35.6	30.0	31	29	56	
Nov-15	43.3	47.8	42.2	38.9	43.3	44.4	44.4	32.2	43.3	44.4	38.9	27.8	32	30	54	
Dec-15	47.6	46.7	47.8	51.1	45.7	42.4	22.8	41.3	47.5	41.3	26.1	30.0	32	30	53	
Jan-16	49.1	50.0	53.5	46.5	53.5	41.9	40.7	36.0	44.2	45.3	45.3	37.2	35	33	57	
Feb-16	39.1	40.9	25.0	40.9	44.3	44.3	43.2	59.1	50.0	44.3	38.6	51.1	33	29	59	
Mar-16	55.7	68.2	63.6	45.5	51.1	50.0	69.3	63.6	58.0	53.4	52.3	39	30	60		
Apr-16	57.1	61.5	66.7	50.0	52.1	55.2	51.0	78.1	62.5	58.3	50.0	62.5	37	30	58	
May-16	56.2	58.9	55.6	52.2	57.8	56.7	46.7	60.0	61.1	55.6	54.4	55.6	36	31	63	
Jun-16	52.6	46.8	55.3	51.1	51.1	51.1	45.7	61.7	55.3	41.6	56.4	47.9	39	34	58	
Jul-16	50.0	41.5	52.1	55.3	46.8	54.3	46.8	67.0	45.7	43.6	51.1	46.8	39	36	56	
Aug-16	50.4	48.9	48.9	56.4	45.7	52.1	53.2	60.6	42.6	45.7	40.4	45.7	34	30	57	
Sep-16	48.3	42.7	40.6	56.3	51.0	51.0	51.0	46.9	43.8	46.9	40.6	40.6	37	36	59	
Oct-16	53.8	52.2	47.8	57.8	54.4	56.7	50.0	65.6	48.9	46.7	52.2	45.6	42	34	59	
Nov-16	60.7	64.0	62.8	62.8	61.6	61.6	57.0	79.1	60.5	48.8	57.0	53.5	40	33	59	
Dec-16	57.1	59.8	58.5	51.2	56.1	59.8	56.1	84.1	50.0	45.1	51.2	58.5	37	28	62	
Jan-17	49.8	44.0	45.2	54.8	57.1	47.6	63.1	79.8	52.4	50.0	56.0	52.4	31	30	60	
Feb-17	50.0	46.8	44.7	54.3	51.1	53.2	44.7	76.6	46.8	55.3	57.4	54.3	37	32	64	
Mar-17	59.8	58.0	70.5	58.0	52.3	60.2	63.6	75.0	52.3	56.8	59.1	50.0	36	31	63	
Apr-17	54.6	46.7	57.6	54.3	47.8	66.3	57.6	56.5	46.7	46.7	58.7	46.7	38	31	72	
May-17	51.1	42.0	50.0	58.0	52.3	53.4	46.6	50.0	46.6	45.5	53.4	48.9	40	32	67	
Jun-17	53.9	51.2	47.6	54.9	52.4	63.4	43.9	48.8	48.8	50.0	50.0	53.7	39	36	76	
Jul-17	54.1	53.8	55.1	52.6	48.7	60.3	47.4	62.8	56.4	46.2	50.0	66.7	38	31	84	
Aug-17	55.1	60.5	58.1	53.5	55.8	47.7	51.2	86.0	51.2	54.7	47.7	65.1	34	29	61	
Sep-17	52.2	51.1	53.3	54.4	54.4	47.8	46.7	78.9	46.7	47.8	48.9	62.2	40	34	64	
Oct-17	51.9	47.9	48.9	56.4	53.2	53.2	55.3	69.1	57.4	52.1	51.1	53.2	45	32	66	
Nov-17	52.0	43.3	52.2	48.9	54.4	61.1	46.7	74.4	47.8	42.2	46.7	46.7	48	34	77	
Dec-17	57.2	54.7	61.6	54.7	53.5	54.7	53.5	74.4	46.7	47.7	52.3	61.2	50.0	37	34	64
Jan-18	55.9	52.4	61.0	51.2	54.9	59.8	43.9	86.6	46.3	58.5	54.9	57.3	37	30	69	
Feb-18	52.4	45.2	39.3	57.1	54.8	65.5	45.2	79.8	54.8	50.0	53.6	59.5	49	33	78	
Mar-18	62.4	61.0	65.9	56.1	61.0	68.3	58.5	76.8	57.3	56.1	58.5	57.3	48	30	77	
Apr-18	57.2	56.4	65.4	50.0	57.7	56.4	55.1	74.4	55.1	53.8	55.1	52.6	50	36	87	
May-18	56.6	58.5	64.6	48.8	51.2	59.8	58.5	74.4	53.7	54.9	48.8	54.9	51	44	91	
Jun-18	56.8	63.3	56.3	56.3	52.5	57.5	52.5	80.0	55.0	52.5	55.0	52.5	46	38	70	
Jul-18	47.5	40.0	45.0	46.3	47.5	58.8	51.3	68.8	38.8	41.3	52.5	40.0	42	37	66	
Aug-18	44.9	39.5	41.9	46.5	46.5	50.0	47.7	64.0	38.4	41.9	51.2	45.3	45	39	67	
Sep-18	52.5	48.8	51.3	52.5	52.5	57.5	51.3	58.8	47.5	42.5	47.5	41.3	46	42	67	
Oct-18	47.9	38.4	54.7	46.5	46.5	53.5	44.2	50.0	34.9	47.7	40.7	43.0	46	40	62	
Nov-18	45.5	42.0	47.7	45.5	44.3	47.7	46.6	33.0	39.8	40.9	42.0	30.7	44	36	65	
Dec-18	42.9	40.5	41.7	42.9	39.3	50.0	39.3	27.4	35.7	35.7	36.9	25.0	40	33	61	
Jan-19	46.3	38.8	47.5	42.5	45.0	57.5	42.5	43.8	40.0	40.0	42.5	32.5	49	33	72	
Feb-19	41.1	33.0	21.6	45.5	47.7	58.0	46.6	68.2	45.5	40.9	45.5	42.0	44	37	79	
Mar-19	51.9	50.0	57.1	44.0	46.4	61.9	46.4	67.9	51.2	47.6	52.4	48.8	44	35	85	
Apr-19	51.1	50.0	48.9	50.0	50.0	56.8	44.3	52.3	45.5	50.0	46.6	44.3	40	34	65	
May-19	44.3	40.9	43.2	48.9	45.5	48.9	45.5	43.2	44.3	36.4	50.0	38.6	42	34	66	
Jun-19	42.8	41.3	42.4	45.7	43.5	41.3	45.7	31.5	41.3	43.5	42.4	35.9	40	33	72	
Jul-19	40.4	37.0	38.0	45.7	41.3	40.2	44.6	59.8	39.1	41.3	43.5	46.7	42	34	63	
Aug-19	38.7	40.2	39.1	4												

	Trans PMI	New Orders	Production	Employment	Supplier Deliveries	Inventories	Customers' Inventories	Prices	Backlog of Orders	New Export Orders	Imports	Future Outlooks	Production Materials	MRO Supplies	Capital Expenditures
Jul-12	44.5	42.5	37.5	40.0	52.5	50.0	42.5	40.0	47.5	40.0	42.5	22.5	32	20	63
Aug-12	53.7	55.3	60.5	50.0	47.4	55.3	47.4	39.5	55.3	52.6	50.0	42.1	36	47	74
Sep-12	44.2	52.6	44.7	39.5	39.5	44.7	50.0	44.7	50.0	47.4	39.5	31.6	34	26	68
Oct-12	53.3	54.8	50.0	52.4	47.6	61.9	45.2	45.2	47.6	59.5	33.3	45.2	39	20	76
Nov-12	58.5	67.5	60.0	52.5	52.5	60.0	55.0	55.0	65.0	65.0	42.5	42.5	35	25	56
Dec-12	54.4	63.9	58.3	52.8	41.7	55.6	55.6	52.8	58.3	61.1	50.0	52.8	29	23	72
Jan-13	60.0	76.3	68.4	52.6	52.6	50.0	36.8	57.9	68.4	65.8	55.3	65.8	26	22	58
Feb-13	49.4	56.3	37.5	56.3	56.3	40.6	56.6	43.8	45.8	46.9	61.3	20	61	20	61
Mar-13	65.9	82.4	79.4	64.7	47.1	55.9	47.1	61.8	50.0	61.8	64.7	70.6	27	22	73
Apr-13	60.0	58.8	64.7	58.8	58.8	64.7	47.1	52.9	52.9	55.9	58.8	29	24	47	
May-13	63.5	70.6	73.5	61.8	55.9	55.9	44.1	41.2	67.6	64.7	64.7	55.9	26	28	47
Jun-13	55.0	53.1	53.1	59.4	56.3	53.1	59.4	31.3	65.6	50.0	53.1	50.0	29	37	50
Jul-13	54.2	47.4	47.4	55.3	60.5	60.5	55.3	39.5	55.3	47.4	39.5	60.5	31	22	64
Aug-13	46.7	47.2	38.9	47.2	38.9	47.2	38.9	44.4	44.4	50.0	44.4	47.2	24	17	41
Sep-13	59.0	60.0	57.5	60.0	57.5	60.0	40.0	55.0	47.5	47.5	57.5	52.5	27	25	78
Oct-13	60.0	70.6	58.8	55.9	55.9	58.8	50.0	61.8	61.8	58.8	58.8	64.7	22	25	49
Nov-13	64.0	77.5	67.5	60.0	50.0	65.0	35.0	45.0	57.5	67.5	60.0	57.5	26	28	56
Dec-13	54.7	65.8	71.1	50.0	39.5	47.4	39.5	47.4	55.3	55.3	57.9	68.4	23	22	42
Jan-14	57.9	68.4	71.1	55.3	50.0	44.7	47.4	50.0	55.3	55.3	57.9	71.1	26	22	39
Feb-14	55.9	52.9	58.8	52.9	50.0	64.7	41.2	64.7	61.8	52.9	67.6	26	21	47	
Mar-14	53.8	50.0	53.8	53.8	57.7	53.8	42.3	61.5	42.3	42.3	53.8	61.5	22	24	47
Apr-14	51.9	50.0	56.3	50.0	50.0	53.1	46.9	43.8	46.9	56.3	50.0	75.0	23	26	61
May-14	59.3	50.0	63.3	66.7	56.7	60.0	43.3	53.3	46.7	50.0	53.3	60.0	30	23	53
Jun-14	60.7	60.7	67.9	60.7	60.7	53.6	42.9	57.1	64.3	57.1	57.1	67.9	22	27	54
Aug-14	60.0	50.0	61.8	58.8	58.8	70.6	41.2	47.1	52.9	50.0	64.7	67.6	30	23	73
Sep-14	49.5	47.5	52.5	52.5	40.0	55.0	50.0	52.5	42.5	50.0	55.0	70.0	23	23	54
Oct-14	54.8	57.1	57.1	59.5	54.8	45.2	45.2	50.0	50.0	54.8	50.0	64.3	29	33	77
Nov-14	55.5	50.0	52.5	60.0	65.0	50.0	52.5	42.5	67.5	52.5	62.5	60.0	32	24	64
Dec-14	49.5	52.5	52.5	52.5	42.5	47.5	40.0	55.0	50.0	42.5	60.0	33	34	90	
Jan-15	61.9	73.8	69.0	64.3	50.0	52.4	47.6	40.5	52.4	59.5	57.1	66.7	30	32	89
Feb-15	57.3	68.2	72.7	56.8	43.2	45.5	40.9	34.1	50.0	56.8	56.8	68.2	30	28	74
Mar-15	51.9	52.4	50.0	57.1	47.6	52.4	45.2	40.5	45.2	57.1	52.4	69.0	31	30	82
Apr-15	57.6	66.7	73.8	57.1	45.2	45.2	33.3	40.5	54.8	54.8	64.3	69.0	30	31	77
May-15	53.9	58.3	58.3	47.2	55.6	50.0	61.1	44.4	63.9	38.9	50.0	55.6	29	31	77
Jun-15	54.1	58.8	55.9	50.0	58.8	47.1	55.9	41.2	38.2	44.1	50.0	55.9	32	34	92
Jul-15	45.7	38.1	42.9	45.2	54.8	47.6	47.6	33.3	42.9	31.0	47.6	45.2	26	25	75
Aug-15	42.5	28.1	37.5	53.1	50.0	43.8	53.1	34.4	37.5	37.5	37.5	31.3	25	31	65
Sep-15	43.3	38.9	41.7	36.1	55.6	44.4	58.3	22.2	44.4	25.0	38.9	27.8	21	18	41
Oct-15	42.6	34.2	34.2	44.7	52.6	47.4	55.3	36.8	28.9	34.2	39.5	31.6	17	16	38
Nov-15	37.5	21.9	25.0	34.4	53.1	53.1	59.4	21.9	37.5	37.5	40.6	43.8	19	18	55
Dec-15	42.5	32.5	42.5	42.5	42.5	42.5	50.0	22.5	40.0	37.5	42.5	35.0	21	20	40
Jan-16	53.7	60.5	60.5	47.5	47.5	44.7	31.6	23.7	47.4	47.4	50.0	89.5	20	20	42
Feb-16	41.8	41.2	41.2	44.1	41.2	41.2	47.1	35.3	50.0	47.1	47.1	52.9	21	19	48
Mar-16	55.3	61.8	58.8	50.0	47.1	58.8	47.1	38.2	47.1	47.1	58.8	61.8	22	19	47
Apr-16	52.4	50.0	52.9	44.1	50.0	64.7	47.1	67.6	50.0	47.1	50.0	52.9	33	24	76
May-16	61.4	71.4	69.0	57.1	59.5	50.0	40.5	69.0	57.1	52.4	61.9	50.0	25	20	44
Jun-16	54.7	55.3	57.3	47.4	63.2	52.6	50.0	68.4	42.1	52.6	44.7	47.4	28	25	88
Jul-16	51.7	47.8	47.8	58.7	47.8	47.8	43.5	58.7	52.2	45.7	50.0	65.5	32	25	50
Aug-16	54.7	55.3	57.9	60.5	39.5	60.5	39.5	68.4	44.7	52.6	52.6	50.0	26	26	48
Sep-16	51.8	50.0	59.1	56.8	45.5	47.7	45.5	50.0	47.7	54.5	45.5	50.0	22	25	64
Oct-16	51.0	50.0	57.5	52.5	45.0	50.0	42.5	65.0	40.0	40.0	47.5	47.5	27	29	60
Nov-16	63.6	70.5	68.2	63.6	52.3	63.6	61.4	59.1	52.3	65.9	59.1	52.3	24	26	58
Dec-16	62.0	57.5	72.5	62.5	45.0	52.5	62.5	67.5	67.5	55.0	57.5	62.5	25	29	80
Jan-17	59.1	59.1	59.1	61.4	59.1	56.8	34.1	70.5	50.0	56.8	54.5	61.4	24	24	56
Feb-17	63.6	66.0	64.0	60.0	56.0	72.0	44.0	84.0	62.0	64.0	60.0	68.0	27	23	49
Mar-17	66.0	77.5	77.5	60.0	52.5	62.5	55.0	75.0	60.0	67.5	65.0	52.5	25	16	64
Apr-17	66.4	65.9	68.2	63.6	63.6	70.5	45.5	79.5	61.4	63.6	65.9	54.5	22	22	70
May-17	54.6	55.8	53.8	55.8	51.9	55.8	53.8	61.5	51.9	44.2	53.8	53.8	30	23	74
Jun-17	62.4	60.0	74.0	60.0	48.0	62.0	58.0	54.0	54.0	56.0	66.0	66.0	31	26	58
Jul-17	61.2	53.8	59.6	61.5	59.6	71.2	55.8	65.4	48.1	48.1	55.8	59.6	27	23	56
Aug-17	52.7	46.2	42.3	61.5	51.9	61.5	50.0	73.1	40.4	50.0	55.8	55.8	26	20	67
Sep-17	57.5	62.5	62.5	60.4	54.2	47.9	43.8	68.8	58.3	54.2	60.4	60.4	26	23	60
Oct-17	62.9	64.6	68.8	66.7	54.2	60.4	60.4	66.7	52.1	54.2	56.3	64.6	29	19	71
Nov-17	60.0	62.0	64.0	58.0	60.0	54.0	38.0	50.0	54.0	52.0	52.0	56.0	24	25	72
Dec-17	56.1	47.8	58.7	60.9	58.7	54.3	37.0	67.4	41.3	50.0	56.5	52.2	26	23	83
Jan-18	59.6	58.0	66.0	64.0	50.0	60.0	40.0	66.0	48.0	50.0	66.0	58.0	28	21	58
Feb-18	43.5	30.0	32.5	57.5	55.0	42.5	37.5	72.5	27.5	42.5	50.0	55.0	27	18	52
Mar-18	56.1	65.2	63.0	54.3	50.0	47.8	39.1	76.1	54.3	52.2	60.9	52.2	31	26	59
Apr-18	54.3	45.2	54.8	57.1	57.1	57.1	52.4	61.9	40.5	45.2	57.1	59.5	21	15	47
May-18	54.5	50.0	50.0	59.1	54.5	59.1	43.2	70.5	43.2	50.0	47.7	54.5	22	60	
Jun-18	55.5	47.7	63.4	56.8	59.1	52.3	47.7	68.2	45.5	52.3	52.3	56.8	21	24	71
Jul-18	53.6	52.3	56.8	54.5	52.3	50.0	63.6	43.2	54.5	50.0	54.5	24	25	69	
Aug-18	45.2	37.0	45.7	43.5	52.2	47.8	58.7	69.6	37.0	41.3	45.7	45.7	22	23	58
Sep-18	50.4	50.0	39.1	50.0	52.2	60.9	45.7	71.7	45.7	50.0	41.3	47.8	38	25	96
Oct-18	46.5	41.3	41.3	43.5	52.2	54.3	52.2	60.9	41.3	37.0	47.8	34.8	34	25	82
Nov-18	43.0	37.5	37.5	42.5	45.0	52.5	55.0	57.5	32.5	45.0	37.5	30.0	42	21	70
Dec-18	45.5	47.7	40.9	47.7	45.5	45.5	56.8	52.3	40.9	29.5	38.6	34.1	39	25	75
Jan-19	45.9	45.5	50.0	45.5	52.3	36.4	38.6	59.1	45.5	45.5	45.5	34.1	20	24	65
Feb-19	45.9	45.5	45.5	45.5	47.7	45.5	43.2	52.3	36.4	43.2	45.5	40.9	24	23	60
Mar-19	49.6	54.2	58.3	41.7	50.0	43.8	39.6	52.1	45.8	54.2	47.9	56.3	23	23	59
Apr-19	53.5	52.2	58.7	50.0	47.8	58.7	43.5	63.0	41.3	47.8	60.9	52.2	22	15	56
May-19	50.4	47.8	54.3	54.3	59.7	60.9	43.5	60.9	45.7	52.2	54.3	47.8	27	26	67
Jun-19	44.3	40.5	40.5	47.6	47.6	45.2	42.9	52.4	33.3	31.0	45.2	42.9	20	22	59
Jul-19	49.5	47.5	52.5	45.0	52.5	50.0	52.5	47.5	32.5	37.5	45.0	42.5	24	25	66
Aug-19	42.1	31.6	39.5	44.7	47.4	47.4	44.7	52.6	34.2	39.5	39.5	50.0	25	16	52
Sep-19	51.9	54.8	57.1	54.8											

	Mach	New	Production	Employment	Supplier	Inventories	Customers	Prices	Backlog	New	Imports	Future	Production	MRO	Capital	
	PMI	Orders	Employment	Deliveries	Inventories	Inventories	Orders	Orders	Orders	Export	Outlooks	Outlooks	Materials	Supplies	Expenditures	
Jul-12	425	328	328	531	484	453	406	375	406	281	438	25.0	29	18	30	
Aug-12	450	425	375	500	425	525	525	463	425	375	400	28.8	36	24	22	
Sep-12	470	450	488	475	500	438	475	575	413	388	46.3	35	24	25	25	
Oct-12	508	421	447	539	579	553	500	553	408	474	43.4	31.6	31	19	25	
Nov-12	463	447	487	461	434	487	382	447	395	355	38.2	32.9	30	23	27	
Dec-12	527	608	595	514	500	419	459	527	500	500	55.4	47.3	31	21	24	
Jan-13	576	635	716	527	486	614	392	554	459	581	58.1	62.2	33	22	27	
Feb-13	516	527	459	568	527	500	649	514	649	514	500	74.3	37	23	29	
Mar-13	605	649	716	635	568	459	351	595	541	622	64.9	59.5	37	24	33	
Apr-13	537	500	671	500	553	461	487	355	579	474	44.7	44.7	34	20	27	
May-13	536	513	641	500	513	513	474	359	526	474	44.9	47.4	33	21	32	
Jun-13	539	530	591	576	439	561	500	379	485	439	54.5	48.5	34	20	48	
Jul-13	446	365	486	459	486	459	405	432	405	405	44.6	37.8	34	21	44	
Aug-13	517	464	524	571	500	524	440	512	476	429	47.6	48.9	31	22	26	
Sep-13	502	476	537	537	549	415	402	537	451	415	46.3	43.9	33	23	27	
Oct-13	519	514	568	527	500	486	324	554	527	446	40.5	47.3	31	19	35	
Nov-13	561	618	592	592	553	447	434	592	513	579	42.1	51.3	28	19	27	
Dec-13	527	561	598	524	500	451	427	463	488	549	41.5	50.0	31	19	30	
Jan-14	565	600	656	500	500	589	522	566	544	567	52.2	64.4	35	20	34	
Feb-14	541	523	489	580	534	580	477	534	602	489	48.9	64.8	34	21	34	
Mar-14	593	636	614	591	568	557	398	477	614	568	61.4	56.8	37	23	39	
Apr-14	580	600	588	600	575	538	425	450	525	500	51.3	65.0	33	23	33	
May-14	592	656	573	594	563	563	469	594	552	521	54.2	63.5	35	21	33	
Jun-14	560	558	605	593	500	547	442	593	547	535	48.8	61.6	35	24	32	
Jul-14	605	670	682	591	511	568	455	616	625	591	56.8	67.0	36	23	32	
Aug-14	533	511	522	576	554	500	424	565	598	469	48.9	56.5	28	18	27	
Sep-14	509	488	535	512	500	512	407	465	419	500	50.0	51.2	35	23	32	
Oct-14	477	442	535	500	477	430	442	372	430	488	40.7	40.7	36	23	28	
Nov-14	515	537	561	451	512	512	488	280	500	476	48.8	42.7	32	18	28	
Dec-14	507	522	500	489	544	478	422	278	489	489	47.8	53.3	35	18	42	
Jan-15	518	541	541	531	531	449	429	235	449	500	44.9	48.0	26	19	32	
Feb-15	496	500	378	551	541	510	459	357	510	531	44.9	33.5	35	20	31	
Mar-15	577	649	660	596	489	489	479	404	649	670	58.5	57.4	35	21	26	
Apr-15	600	673	673	612	490	551	459	429	633	673	60.2	62.2	34	21	25	
May-15	498	468	532	511	468	511	468	468	457	447	46.8	51.1	32	22	28	
Jun-15	507	489	500	533	511	500	435	348	457	500	42.4	43.5	29	17	19	
Jul-15	454	391	435	533	446	467	576	293	576	370	38.0	37.0	30	17	17	
Aug-15	421	406	406	458	396	438	500	271	396	375	37.5	34.4	28	16	19	
Sep-15	425	385	417	479	438	406	500	354	281	375	31.3	30.2	30	18	21	
Oct-15	423	372	426	468	447	404	470	447	394	394	34.0	31.9	26	15	19	
Nov-15	410	370	410	430	430	410	420	340	380	430	41.0	38.0	29	18	23	
Dec-15	453	480	490	469	429	398	480	306	388	429	35.7	34.7	28	18	25	
Jan-16	498	564	567	478	456	444	467	222	444	467	42.2	45.6	30	17	32	
Feb-16	453	489	356	511	456	456	378	422	489	511	42.2	43.3	34	24	25	
Mar-16	595	674	674	581	512	535	442	640	581	581	55.8	53.5	26	20	28	
Apr-16	612	646	659	573	561	622	488	659	561	598	54.9	57.3	34	23	39	
May-16	574	628	663	558	453	570	430	581	593	674	61.6	52.3	38	22	39	
Jun-16	483	476	524	463	512	439	402	488	524	427	41.5	46.1	33	23	34	
Jul-16	523	525	513	538	500	538	400	550	400	500	45.0	50.0	34	20	35	
Aug-16	512	512	561	561	488	439	500	622	463	573	48.8	53.7	35	19	36	
Sep-16	568	613	625	575	488	538	400	488	563	525	55.0	52.5	33	21	37	
Oct-16	493	427	524	524	476	512	390	598	476	451	51.2	42.7	32	20	39	
Nov-16	544	610	561	549	524	476	402	720	488	561	48.8	52.4	34	20	30	
Dec-16	544	535	528	500	570	458	453	756	459	547	67.0	60.5	28	21	28	
Jan-17	600	675	588	600	538	600	425	850	638	588	63.8	71.3	40	24	39	
Feb-17	617	683	598	573	598	634	402	841	634	659	59.8	68.3	32	23	45	
Mar-17	660	763	788	588	550	613	450	813	675	688	66.3	76.3	33	22	52	
Apr-17	631	667	641	628	628	590	500	744	590	577	65.4	57.7	32	22	51	
May-17	595	595	595	595	607	583	440	643	583	548	60.7	61.9	30	24	41	
Jun-17	558	525	575	588	600	500	400	600	625	585	58.8	58.0	28	22	52	
Jul-17	598	600	600	611	611	567	433	667	567	500	56.7	47.8	40	26	63	
Aug-17	552	545	511	602	591	511	443	761	523	545	56.8	58.0	35	25	68	
Sep-17	574	524	571	571	571	631	464	810	512	524	61.9	57.1	35	25	52	
Oct-17	546	538	551	538	538	564	462	821	500	551	59.0	56.4	28	28	63	
Nov-17	608	551	603	590	731	564	397	821	564	564	55.1	59.0	41	29	69	
Dec-17	588	571	690	560	595	524	345	810	571	524	53.6	56.0	31	25	64	
Jan-18	600	641	641	564	564	590	397	821	577	603	59.0	69.2	44	31	68	
Feb-18	528	512	453	558	593	523	419	837	570	500	59.3	66.3	41	33	76	
Mar-18	649	671	646	646	659	622	427	841	695	683	56.1	58.5	42	33	60	
Apr-18	621	679	643	607	667	512	440	798	607	607	64.3	64.3	43	32	68	
May-18	600	548	583	595	643	631	405	762	560	536	52.4	59.5	33	27	61	
Jun-18	610	650	725	513	613	550	463	838	625	613	65.0	53.8	43	32	73	
Jul-18	555	500	553	526	566	632	487	645	382	500	50.0	50.0	30	28	50	
Aug-18	513	438	575	550	488	513	475	575	400	400	41.3	43.8	30	27	53	
Sep-18	502	500	489	511	511	500	574	489	500	468	36.2	31	31	57		
Oct-18	451	404	404	468	489	489	521	596	330	29.8	37.2	33.0	32	23	56	
Nov-18	476	440	464	488	452	536	500	536	333	41.7	47.6	33.3	28	23	58	
Dec-18	449	337	408	469	480	551	500	418	265	347	34.7	29.6	31	30	61	
Jan-19	428	380	457	467	435	402	500	446	391	402	35.9	30.4	33.0	29	63	
Feb-19	424	348	304	543	435	489	446	435	370	41.3	38.0	37.0	31.0	31	67	
Mar-19	541	602	643	520	418	520	459	500	490	520	48.0	50.0	34.0	34	66	
Apr-19	543	628	649	500	447	489	436	511	500	553	53.2	51.1	36.0	32	67	
May-19	444	385	448	479	479	427	448	448	448	454	41.7	37.5	37.5	29	64	
Jun-19	471	429	500	452	452	524	500	405	440	417	46.4	35.7	34.0	30	82	
Jul-19	433	384	430	419	419	512	442	465	372	34.9	36.0	34.9	28.0	24	70	
Aug-19	419	429	405	440	440	381	452	357	381	36.9	31.0	30.0	23	61	70	
Sep-19	393	395	349	407	395	419	442	430	25.6	37.2	36.0	34.9	28.0	27	70	
Oct-19	414	417	404	393	464	393	417	417	393	321	41.7	36.9	33.3	32.0	30	65
Nov-19	477	500	465	453	488	477	430	453	349	41.9	37.2	39.5	31.0	25	66	
Dec-19	495	605	535	453	465	419	407	488	442	535	44.2	51.2	26.0	26	61	
Jan-20	460	442	453	465	488	453	360	558	477	523	45.3</					