

	Taiwan Manufactur ing	New Orders	Production Employment	Supplier Deliveries	Inventories	Customers' Inventories	Prices	Backlog of Orders	New Export Orders	Imports	Future Outlooks	Production Materials	MRO Supplies	Capital Expendit ures	
Jul-12	471	455	416	485	491	507	521	419	463	470	474	288	30	20	46
Aug-12	482	474	498	497	443	500	503	541	446	433	455	328	32	24	46
Sep-12	499	532	503	505	466	544	525	490	465	543	425	390	42	23	39
Oct-12	493	480	526	516	468	475	472	498	431	448	444	317	31	23	48
Nov-12	517	558	557	528	479	465	477	463	470	468	439	403	30	22	45
Dec-12	550	621	630	539	482	478	476	528	466	479	504	504	31	20	45
Jan-13	559	611	540	578	515	530	492	600	537	591	573	624	31	22	43
Feb-13	545	577	602	554	500	492	452	629	503	528	496	677	32	22	40
Mar-13	529	509	483	540	539	575	475	561	563	652	625	653	35	24	45
Apr-13	530	479	512	527	533	596	536	387	507	535	564	571	33	21	40
May-13	530	506	516	523	549	557	503	387	499	521	523	541	32	23	46
Jun-13	528	508	511	555	501	543	519	404	462	463	480	517	33	25	46
Jul-13	528	544	572	522	483	519	515	491	477	481	477	510	32	25	48
Aug-13	533	565	578	532	496	495	457	557	463	498	465	533	32	22	38
Sep-13	545	558	608	540	526	494	461	557	558	487	522	510	30	23	43
Oct-13	538	585	511	519	497	436	540	479	478	476	473	311	22	42	42
Nov-13	545	571	585	567	508	493	469	484	457	469	482	483	32	25	45
Dec-13	540	587	573	544	521	475	454	526	469	532	513	548	32	24	44
Jan-14	538	572	503	552	529	536	465	578	520	526	530	651	33	23	47
Feb-14	560	578	645	546	544	525	458	555	487	513	499	644	32	24	47
Mar-14	562	568	569	542	529	472	538	601	614	612	637	33	25	46	
Apr-14	565	588	586	560	565	526	416	561	573	620	604	660	34	26	55
May-14	564	583	562	562	565	548	443	537	546	583	584	653	34	24	51
Jun-14	572	582	592	558	574	553	483	556	530	575	576	684	33	24	51
Jul-14	585	600	570	542	545	545	491	580	561	589	655	33	25	48	48
Aug-14	560	568	571	551	558	553	516	531	497	541	569	606	30	25	46
Sep-14	540	547	570	547	522	515	502	466	452	508	541	541	32	26	50
Oct-14	533	539	582	548	488	507	501	364	470	502	485	434	32	24	44
Nov-14	528	545	565	527	485	517	474	320	442	472	495	442	30	25	46
Dec-14	525	557	557	532	483	496	467	311	434	471	468	498	33	24	51
Jan-15	534	556	573	517	508	518	478	277	506	516	534	585	31	24	46
Feb-15	537	537	570	514	523	542	476	383	489	492	498	618	34	25	49
Mar-15	515	499	492	514	524	548	455	405	527	604	562	610	32	27	49
Apr-15	498	462	460	524	491	555	476	419	505	532	545	574	33	26	52
May-15	488	452	478	489	484	535	462	484	472	474	475	527	31	27	48
Jun-15	486	464	470	511	493	494	475	376	424	454	480	531	31	25	48
Jul-15	483	447	489	512	490	476	490	334	420	412	446	426	29	24	47
Aug-15	470	444	494	484	455	472	490	395	394	396	396	316	30	25	46
Sep-15	468	476	494	477	480	414	442	321	398	438	422	331	30	24	41
Oct-15	476	495	505	481	479	422	456	378	425	467	407	359	28	23	45
Nov-15	482	514	522	479	428	465	437	348	445	457	439	376	30	24	46
Dec-15	487	501	524	495	461	441	439	283	441	438	416	380	29	24	45
Jan-16	496	515	454	532	511	468	454	303	464	502	488	425	30	25	47
Feb-16	483	497	476	487	511	445	434	443	431	421	403	487	29	25	44
Mar-16	471	456	433	486	497	484	438	570	543	566	550	518	31	25	49
Apr-16	508	491	505	482	533	538	460	599	544	564	517	567	34	27	54
May-16	523	536	519	516	518	528	444	576	519	536	545	524	33	25	52
Jun-16	524	533	536	501	522	525	432	543	517	503	514	538	33	27	53
Jul-16	538	556	572	515	524	522	465	570	500	518	540	555	34	28	55
Aug-16	555	578	597	564	527	510	470	578	504	559	518	552	34	27	56
Sep-16	565	594	608	559	540	524	450	528	539	581	566	535	33	28	51
Oct-16	575	621	635	565	527	527	440	593	514	540	547	518	35	28	56
Nov-16	591	647	635	583	560	532	491	682	552	550	543	540	33	28	52
Dec-16	559	570	574	559	561	532	487	741	532	537	554	598	33	28	56
Jan-17	531	538	422	570	606	521	485	761	541	446	453	615	33	28	54
Feb-17	637	688	757	587	604	548	437	764	547	587	568	644	34	28	59
Mar-17	610	624	659	590	589	585	497	743	619	664	628	690	34	28	60
Apr-17	584	575	589	577	597	581	499	668	573	587	615	632	34	28	61
May-17	563	552	573	603	554	465	809	541	552	582	611	34	28	55	
Jun-17	548	522	505	574	590	549	459	582	540	579	552	591	36	29	65
Jul-17	600	647	649	564	585	557	494	632	568	562	568	639	35	29	65
Aug-17	589	630	624	568	609	512	496	730	526	597	578	638	35	29	62
Sep-17	590	613	626	567	601	542	467	753	556	590	585	623	36	32	64
Oct-17	589	615	611	575	597	548	482	725	545	571	587	591	35	29	64
Nov-17	601	616	640	571	610	570	464	768	544	554	559	600	37	30	70
Dec-17	602	631	659	571	604	547	452	732	541	556	546	588	34	31	70
Jan-18	597	614	616	558	616	579	445	792	534	591	577	657	37	31	64
Feb-18	587	586	601	582	625	569	457	849	517	484	412	657	39	30	70
Mar-18	561	529	486	551	627	612	507	754	629	644	597	648	37	30	68
Apr-18	565	535	540	548	622	581	487	717	552	571	584	630	37	32	67
May-18	562	527	549	552	592	591	503	763	538	561	557	633	38	31	69
Jun-18	558	550	551	543	602	546	481	714	542	571	589	608	39	32	69
Jul-18	553	542	571	531	572	551	497	686	486	534	572	545	36	32	64
Aug-18	549	535	573	535	547	554	504	656	493	529	560	541	36	33	63
Sep-18	546	560	579	520	548	521	511	614	492	487	487	476	37	33	69
Oct-18	512	492	513	501	516	500	489	532	471	470	406	37	30	65	
Nov-18	467	442	458	494	459	480	501	446	411	416	414	337	36	31	62
Dec-18	465	466	471	480	450	458	478	401	368	387	390	332	35	29	62
Jan-19	461	430	431	500	463	480	489	461	426	428	430	349	35	28	61
Feb-19	474	429	461	500	481	501	476	521	420	389	397	429	36	31	69
Mar-19	491	477	502	482	477	518	465	552	528	575	517	521	36	31	69
Apr-19	517	509	519	515	505	537	426	507	499	567	538	557	36	30	65
May-19	482	475	465	492	483	496	464	437	484	497	484	485	37	31	62
Jun-19	481	487	497	487	479	455	461	407	478	481	457	429	34	28	62
Jul-19	482	503	501	458	458	446	480	448	468	468	475	493	36	31	66
Aug-19	482	489	517	483	461	461	467	467	442	474	480	445	35	31	65
Sep-19	500	520	519	508	480	495	427	502	469	485	473	449	36	30	65
Oct-19	511	527	554	506	471	497	442	464	459	472	482	457	36	30	62
Nov-19	549	610	604	556	505	469	429	441	491	505	490	35	30	64	
Dec-19	562	615	599	550	523	522	448	478	546	558	526	574	35	31	64
Jan-20	513	550	417	528	571	500	429	585	529	516	508	637	35	30	66
Feb-20	527	569	486	509	631	441	407	524	559	409	394	368	37	30	60
Mar-20	511	501	495	502	659	509	454	505	564	582	587	417	41	28	58
Apr-20	476	371													

	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 Expenditure
Jul-12	545	545	59.1	59.1	56.8	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
Aug-12	488	479	50.0	50.0	43.8	52.1	50.0	81.3	41.7	45.8	52.1	45.8	30	25	57
Sep-12	496	404	46.2	51.9	53.8	55.8	44.2	80.8	50.0	50.0	48.1	48.1	28	26	55
Oct-12	496	446	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	514	500	48.2	51.8	55.6	53.6	42.9	48.2	48.2	50.0	50.0	46.4	29	26	73
Dec-12	543	550	56.7	60.0	50.0	50.0	50.0	46.7	55.0	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	41.1	35.7	69.6	44.6	50.0	50.0	46.4	67.9	31	18	25
Mar-13	645	724	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	494	45.2	45.2	51.2	48.4	54.8	61.3	25.5	45.2	48.6	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	48.1	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	51.4	52.9	60.0	45.7	55.7	52.9	45.7	55.7	24	25	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	60.0	58.8	53.8	58.8	46.3	47.5	56.3	61.3	52.5	37	32	53	
Jan-14	58.2	61.5	65.4	60.3	57.7	55.1	46.2	75.6	50.0	57.7	57.7	64.1	33	31	52
Feb-14	53.6	47.4	50.0	61.5	61.5	47.4	52.6	64.1	44.9	55.1	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	55.7	60.7	56.0	56.0	52.4	53.6	51.2	65.5	50.0	58.8	56.0	70.2	35	32	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	50.0	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	43
Jan-15	48.6	43.2	50.0	47.3	51.4	48.6	48.6	48.6	55.4	51.4	52.4	69.0	33	26	43
Feb-15	52.1	53.6	48.8	50.0	52.4	56.0	51.2	52.4	60.7	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	60.0	37	34	57
Apr-15	57.8	60.0	62.5	53.8	58.8	53.8	46.3	68.8	51.3	55.0	60.0	60.0	33	32	67
May-15	55.4	59.5	59.5	58.1	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	53.8	50.0	48.7	34.6	43.6	39.7	56.4	44.9	31	27	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	55.7	57.6	57.7	47.4	48.7	41.3	48.7	41.3	42.8	41.6	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	54.2	50.0	44.4	41.7	33.3	43.1	41.7	52.8	43.1	32	27	40	40
Jan-16	51.8	53.9	53.9	52.6	46.1	52.6	53.9	26.3	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	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	53.5	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	55.3	59.2	51.3	51.3	48.8	53.9	53.9	53.9	50.0	34	34	34	47
Jul-16	51.6	52.6	52.6	55.3	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	46.3	62.2	52.4	52.4	57.3	57.3	38	44	66	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	61.6	58.5	61.6	58.5	37	41	64
Dec-16	56.6	57.3	57.3	57.3	57.3	57.3	45.1	76.8	54.9	63.4	64.6	64.6	36	39	56
Jan-17	52.9	47.6	48.8	56.0	56.0	47.6	81.0	63.1	61.9	59.5	73.8	35	42	64	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	63.5	56.3	65.0	53.8	58.8	65.0	70.0	38	36	36	55	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	53.1	44.9	49.0	45.9	53.1	60.2	59.2	33	35	61
Jun-17	49.6	52.1	47.9	50.0	51.0	46.9	52.1	47.9	46.9	60.4	52.1	56.3	43	36	66
Jul-17	50.2	45.7	47.8	58.7	52.2	46.7	44.6	48.9	45.7	48.9	45.7	47.8	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	38	40	60
Nov-17	53.5	53.3	53.3	54.4	53.3	50.0	48.9	77.8	50.0	56.7	54.4	65.6	38	40	70
Dec-17	58.9	66.3	65.2	57.6	52.2	53.3	46.7	77.2	51.1	65.2	54.3	67.4	39	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	55.6	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	54.1	49.0	52.4	49.0	50.0	57.1	61.2	36	47	68	67
May-18	55.1	58.1	61.6	58.1	50.0	47.7	40.7	80.2	52.3	53.5	57.0	61.6	43	43	72
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	85
Aug-18	51.0	48.8	46.4	56.0	51.2	41.7	72.6	46.4	52.4	48.8	52.4	40	45	74	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	41.3	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	57.5	56.3	50.0	45.0	46.3	58.8	57.5	50.0	45	40	71	71
Jun-19	50.6	51.5	54.5	51.5	50.0	45.5	40.9	56.1	59.1	50.0	59.1	40	35	50	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	45.0	55									

	Elec PMI	New Orders	Production/Employment	Supplier Deliveries	Inventories	Customers/ Inventories	Prices	EXPORT Orders	NEW Orders	Imports	Future Outlooks	Production Materials	MRO Supplies	Capital Expenditures	
Jul-12	496	537	485	507	455	493	448	515	493	358	42	42	42	42	
Aug-12	476	481	462	487	455	494	519	494	462	442	43.6	34.0	30	18	35
Sep-12	467	444	438	512	444	494	494	500	432	500	46.3	29.0	28	18	24
Oct-12	446	411	443	481	449	443	456	456	437	449	44.9	29.1	27	19	28
Nov-12	467	469	463	469	475	457	500	432	438	432	39.5	34.0	28	17	28
Dec-12	481	458	500	482	476	488	488	446	39.3	43.5	44.6	45.8	28	17	34
Jan-13	580	633	633	550	522	561	500	489	511	594	55.6	58.9	28	17	33
Feb-13	486	517	448	466	477	523	477	506	483	540	47.1	64.9	28	18	36
Mar-13	656	756	785	570	576	593	465	529	599	733	65.7	69.8	32	19	40
Apr-13	603	610	668	565	560	592	500	446	57.6	60.3	60.2	67.4	32	20	42
May-13	586	591	625	568	597	551	494	420	523	568	56.8	64.8	32	22	38
Jun-13	563	570	576	552	541	558	488	465	500	500	62.8	32	22	39	
Jul-13	538	511	559	553	505	564	580	452	489	484	46.3	52.1	31	21	36
Aug-13	495	511	511	516	473	462	462	484	42.9	47.8	40.7	50.0	33	19	34
Sep-13	542	545	585	557	523	500	472	500	466	517	50.6	48.3	27	21	32
Oct-13	472	450	485	500	490	435	390	480	405	440	41.5	45.0	29	20	35
Nov-13	488	500	510	500	480	451	505	446	421	431	43.6	48.5	28	17	32
Dec-13	510	580	560	525	530	455	475	470	535	490	56.5	29	19	39	
Jan-14	537	537	551	500	547	551	453	500	519	514	50.9	66.4	32	19	46
Feb-14	509	490	420	495	565	575	460	490	485	490	49.5	72.0	30	19	38
Mar-14	647	726	721	630	558	601	466	466	663	697	63.5	75.0	29	19	44
Apr-14	633	716	725	615	569	541	376	518	615	656	63.3	72.9	31	21	58
May-14	633	684	704	612	607	500	627	500	602	636	63.1	70.9	33	21	51
Jun-14	609	660	660	600	573	597	553	476	515	563	61.2	59.7	33	21	48
Jul-14	639	714	719	610	619	533	467	595	533	648	62.9	68.6	30	19	45
Aug-14	584	603	613	544	608	554	510	534	520	564	57.4	65.7	28	21	45
Sep-14	555	567	591	548	553	514	553	500	514	548	53.8	58.7	29	21	44
Oct-14	527	553	543	534	486	519	495	389	462	510	45.7	44.7	28	19	37
Nov-14	482	455	470	480	505	500	480	355	405	495	46.5	46.0	29	21	41
Dec-14	486	475	495	505	485	470	455	333	419	449	43.4	51.0	29	19	44
Jan-15	529	564	578	490	510	505	471	250	539	549	53.4	65.2	30	22	42
Feb-15	460	451	376	411	540	515	495	356	505	500	51.0	66.3	31	21	46
Mar-15	632	734	750	532	564	580	457	404	548	676	59.6	68.6	30	22	44
Apr-15	552	586	595	538	495	548	481	424	538	576	55.7	63.8	32	23	51
May-15	508	476	539	500	466	558	461	451	461	456	44.2	56.3	31	25	47
Jun-15	524	523	551	533	472	542	338	486	338	490	46.8	49.2	29	33	49
Jul-15	506	505	542	542	472	472	481	329	421	472	42.6	48.6	26	22	46
Aug-15	456	436	468	477	450	450	486	321	381	408	36.7	37.6	28	22	50
Sep-15	478	513	509	496	482	389	412	354	394	491	45.1	37.6	28	22	41
Oct-15	477	509	509	486	472	407	463	361	444	500	39.8	36.6	28	20	45
Nov-15	459	462	476	481	401	476	429	335	453	458	45.8	39.2	28	21	46
Dec-15	451	442	481	452	466	413	413	269	452	438	39.4	40.9	28	21	47
Jan-16	507	505	528	509	519	477	453	266	453	519	49.1	45.3	29	23	46
Feb-16	409	328	270	441	559	446	446	397	397	373	38.7	48.5	25	20	41
Mar-16	545	595	667	524	486	452	410	490	529	586	54.3	51.0	27	21	43
Apr-16	516	547	551	474	513	496	453	504	517	543	49.1	55.1	27	20	44
May-16	536	570	570	537	504	500	438	523	483	533	53.7	53.3	27	19	51
Jun-16	535	573	550	500	523	527	518	402	514	536	50.9	60.9	29	21	51
Jul-16	558	586	617	509	559	518	455	518	527	559	55.0	60.4	29	21	52
Aug-16	573	615	611	571	566	504	460	527	544	593	54.9	58.4	30	20	58
Sep-16	625	699	708	584	584	549	465	527	602	655	63.7	57.5	31	23	48
Oct-16	565	594	594	573	543	521	410	538	547	590	56.4	55.1	29	22	52
Nov-16	551	561	548	548	539	513	478	462	531	544	51.8	51.8	27	20	49
Dec-16	540	550	568	527	568	486	468	714	518	545	52.7	59.1	29	22	57
Jan-17	521	496	482	487	634	509	451	723	509	527	52.2	61.2	29	22	49
Feb-17	576	631	508	549	656	537	451	738	578	602	55.7	69.3	30	24	61
Mar-17	698	810	758	677	649	593	440	738	690	742	64.5	78.6	30	25	56
Apr-17	652	702	710	634	655	559	483	681	634	664	64.3	73.5	32	26	59
May-17	632	645	657	629	669	560	468	609	577	621	60.5	68.1	31	23	45
Jun-17	621	642	638	625	654	546	458	629	600	629	56.7	65.0	33	25	60
Jul-17	628	689	689	594	634	634	532	500	606	654	60.2	68.1	31	27	60
Aug-17	629	687	671	598	659	533	512	683	561	638	63.0	66.7	32	25	57
Sep-17	642	697	688	603	654	568	474	744	611	671	62.8	64.5	33	28	61
Oct-17	618	631	623	597	665	572	441	729	559	593	62.3	60.6	31	25	60
Nov-17	595	605	597	560	641	573	581	601	581	601	60.9	64.5	32	26	61
Dec-17	609	587	609	526	662	625	470	726	552	574	55.2	63.9	31	26	66
Jan-18	604	631	608	523	671	586	459	779	559	608	57.2	69.4	35	28	57
Feb-18	507	446	343	471	690	583	483	744	537	483	50.0	71.9	34	25	65
Mar-18	657	730	700	565	670	617	509	739	670	683	60.9	70.0	32	26	62
Apr-18	653	665	693	606	674	628	468	711	573	606	60.1	67.9	35	27	65
May-18	619	591	616	621	659	608	513	780	560	599	60.3	69.0	35	26	59
Jun-18	605	638	634	563	665	527	487	750	554	616	61.2	67.4	35	27	62
Jul-18	612	637	671	568	637	547	487	714	543	615	61.1	62.4	33	27	65
Aug-18	615	642	646	580	604	604	524	656	561	608	62.3	60.4	33	29	59
Sep-18	557	565	583	543	587	509	530	587	517	522	50.0	50.4	36	32	72
Oct-18	513	500	530	496	547	491	504	547	474	504	49.1	39.3	32	27	64
Nov-18	440	394	424	458	458	466	517	449	419	394	37.3	31.4	33	28	57
Dec-18	408	375	279	429	442	415	509	411	357	384	37.1	32.6	33	27	57
Jan-19	447	420	487	438	438	455	504	446	406	420	41.1	33.0	31	25	54
Feb-19	386	297	271	432	479	453	496	445	403	335	33.9	41.1	33	29	63
Mar-19	567	640	698	541	477	477	468	500	545	617	50.0	53.6	31	26	65
Apr-19	584	653	665	555	521	525	415	445	521	602	54.2	62.3	33	31	61
May-19	528	569	551	523	483	514	472	421	481	537	49.1	52.8	33	30	54
Jun-19	513	539	564	510	495	456	466	402	490	505	45.1	44.1	31	27	50
Jul-19	516	545	573	555	455	427	455	477	518	482	51.4	33	30	64	
Aug-19	531	546	587	532	495	495	491	463	482	523	53.7	43.6	34	30	68
Sep-19	558	596	609	539	543	504	443	513	530	543	51.7	48.3	38	32	65
Oct-19	522	534	547	543	491	491	483	474	504	517	49.1	48.7	32	26	53
Nov-19	539	607	594	545	527	424	397	433	522	558	50.0	49.6	34	29	66
Dec-19	566	579	616	532	565	537	454	463	579	560	55.6	62.0	33	30	62
Jan-20	522	513	467	504	424	424	482	418	402	55.8	50.9	51.3	66.8	36	65
Feb-20	463	414	306	468	707	419	401	595	626	392	37.8	41			

	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	491	31.8	50.0	63.6	59.1	63.6	54.5	50.0	38.4	50.0	40.9	30	11	80		
Aug-12	62.7	68.2	81.8	54.5	50.0	59.1	63.6	63.6	50.0	59.1	36.4	31	24	117		
Sep-12	56.2	65.4	57.7	53.8	46.2	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	30.0	52.6	56.7	39.5	65.8	28.9	39.5	44.7	44.7	39.5	31	77	84	
Dec-12	50.0	47.2	47.2	55.6	52.8	47.2	55.6	52.8	47.2	36.1	50.0	61.9	41.7	34	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	56.3	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	66	
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	65.0	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	52.3	61.4	47.7	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	45.5	47.7	36.4	45.5	54.5	47.7	52.3	52.3	30	22	52	
Jan-14	60.0	58.7	71.7	56.5	47.8	65.2	60.9	65.2	58.7	54.3	65.2	54.3	35	29	57	
Feb-14	46.0	46.0	34.0	56.0	46.0	48.0	36.0	70.0	40.0	54.0	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	60.9	60.9	58.7	54.3	52.2	54.3	50.0	63.0	39.1	54.3	54.3	58.7	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	47.6	57.1	59.5	39	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	61.3	54.3	50.0	60.9	45.7	45.7	41.5	47.8	37.0	39.1	60.9	52.2	34	22	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	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	45.5	52.2	58.7	63.0	67.4	45	36	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	64.6	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	39.3	47.9	46.3	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	45.7	38	34	65	
Nov-15	52.8	58.0	58.0	54.0	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	56.5	56.5	45.7	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	38.0	48.0	30.0	40.0	40.0	46.0	32	32	57	
Mar-16	46.4	46.0	44.0	50.0	48.0	44.0	48.0	58.0	42.0	46.0	48.0	42.0	50	39	78	
Apr-16	52.5	52.1	54.2	50.0	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	55.7	61.0	60.9	56.5	50.0	47.8	50.0	65.2	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	55.8	53.8	65.4	55.8	50	40	71	
Aug-16	61.6	70.0	64.0	60.0	60.0	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	61.3	63.5	51.9	50.0	63.5	51.9	69.2	63.5	61.5	69.6	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	61.5	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	68	
Jun-17	47.6	48.0	42.0	52.0	50.0	46.0	44.0	62.0	36.0	46.0	52.0	46.0	49	38	82	
Jul-17	55.6	55.6	53.7	53.7	55.6	59.3	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	52.8	55.8	53.8	51.9	55.8	44.2	51.9	78.8	53.8	57.7	53.8	63.5	48	36	97	
Dec-17	58.0	62.0	64.0	56.0	58.0	50.0	64.0	64.0	54.0	50.0	60.0	48.0	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	61.7	61.7	61.7	36	34	63	
May-18	54.7	56.7	58.3	58.3	45.0	55.0	50.0	70.0	46.7	45.0	51.7	47.7	47	31	93	
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	51.1	51.1	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	42.6	51.9	53.7	53.7	57.4	53.7	44	31	76	
Dec-18	54.8	55.6	57.4	55.6	55.6	50.0	48.1	51.9	51.9	48.1	53.7	50.0	39	34	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	68.9	66.7	65.0	50.0	55.0	46.7	58.3	65.0	56.7	65.0	58.3	39	31	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	5										

	Mi's PMI	New Orders	Production/Employment	Supplier Deliveries	Inventories	Customers Inventories	Prices of Inputs	Backlog Orders	New Orders	Imports	Future Outlooks	Production Materials	MRO Supplies	Capital Expenditures
Jul-12	394	257	271	457	471	514	243	414	385	43	357	43	37	25
Aug-12	403	321	397	462	397	436	410	500	333	37.2	41.0	19.2	35	26
Sep-12	466	500	395	526	474	434	355	395	31.6	52.6	35.5	31.6	38	29
Oct-12	470	438	488	525	450	450	450	450	450	41.3	47.5	31.3	32	28
Nov-12	547	684	632	553	447	421	408	579	56.3	53.9	52.6	53.9	32	25
Dec-12	558	618	645	605	474	447	408	724	63.2	62.4	63.8	63.2	36	25
Jan-13	588	805	646	537	500	451	451	841	70.7	57.3	63.4	70.7	34	28
Feb-13	490	537	427	537	512	439	427	878	54.9	48.8	51.2	68.3	44	34
Mar-13	561	566	671	539	500	526	539	579	52.6	52.6	51.3	51.3	38	34
Apr-13	512	463	463	476	463	483	585	244	23.9	40.2	50.0	36.6	32	23
May-13	449	390	329	476	451	598	561	25.6	40.2	35.4	40.2	31.7	35	29
Jun-13	447	303	447	539	408	539	434	250	40.8	34.2	39.5	28.9	33	29
Jul-13	508	641	615	462	385	436	333	551	41.0	47.4	50.0	51.3	39	38
Aug-13	567	654	679	474	526	500	397	718	52.6	53.8	53.8	65.4	38	27
Sep-13	503	410	538	513	513	538	462	615	44.9	41.0	56.4	57.7	38	28
Oct-13	533	563	525	513	513	550	575	588	56.3	48.8	52.5	42.5	38	26
Nov-13	535	513	575	538	538	513	425	488	41.3	43.8	47.5	41.3	41	39
Dec-13	526	512	524	548	500	429	611	440	51.2	52.4	52.4	48	40	35
Jan-14	473	477	466	477	500	443	409	636	48.9	48.9	48.9	65.9	35	28
Feb-14	451	477	407	465	500	407	453	570	46.5	53.5	46.5	54.7	37	31
Mar-14	551	593	558	535	512	558	465	581	52.3	55.8	55.8	48.8	34	36
Apr-14	584	678	644	511	611	478	489	678	57.8	66.7	60.0	57.8	38	28
May-14	528	587	583	522	489	511	467	543	52.2	55.4	60.9	33	28	59
Jun-14	512	477	523	488	535	535	535	488	50.0	50.0	50.0	59.3	35	29
Jul-14	489	456	456	544	456	533	556	511	43.3	41.1	52.2	56.7	32	29
Aug-14	502	453	442	500	523	593	523	512	46.5	48.8	61.6	55.8	33	26
Sep-14	505	476	476	585	463	524	488	354	37.8	46.3	56.1	42.7	36	28
Oct-14	506	410	540	570	460	550	490	300	41.0	43.0	55.0	35.0	34	27
Nov-14	476	429	440	536	476	500	440	250	40.5	41.7	52.4	29.8	31	31
Dec-14	484	444	422	522	467	567	544	244	37.8	42.2	45.6	34.4	36	31
Jan-15	536	556	589	456	478	600	256	467	41.1	54.4	42.2	28	34	54
Feb-15	472	359	370	511	489	630	424	337	40.2	38.0	43.5	46.7	36	31
Mar-15	500	524	524	512	439	500	476	268	46.3	42.7	39.0	40.2	35	33
Apr-15	467	408	480	500	418	531	449	276	37.8	37.8	44.9	39.8	35	32
May-15	474	410	460	510	500	490	440	450	45.0	48.0	44.0	38.0	29	27
Jun-15	438	422	452	458	422	511	378	378	33.3	32.2	32.2	28	29	41
Jul-15	422	283	380	489	522	435	446	293	41.3	30.4	37.0	29.3	33	28
Aug-15	400	239	352	466	455	489	443	261	37.5	30.7	39.8	19.3	35	29
Sep-15	404	330	394	447	436	415	372	223	36.2	33.0	38.3	23.4	36	27
Oct-15	418	367	367	467	456	433	400	389	40.0	38.9	40.0	30.9	31	29
Nov-15	433	478	422	389	433	444	444	322	43.3	44.4	38.9	27.8	32	30
Dec-15	476	467	478	511	457	467	424	228	41.3	43.5	41.3	26.1	30	32
Jan-16	491	500	535	465	535	419	407	360	44.2	45.3	45.3	37.2	35	33
Feb-16	391	409	250	409	443	443	412	591	50.0	44.3	38.6	51.1	31	29
Mar-16	557	682	636	455	511	500	500	693	63.6	58.0	53.4	52.3	39	30
Apr-16	571	615	667	500	521	552	510	781	62.5	58.3	50.0	62.5	37	30
May-16	562	589	556	522	578	567	600	611	55.6	54.4	55.6	36	31	63
Jun-16	526	468	553	511	511	585	447	617	55.3	41.6	56.4	47.9	39	34
Jul-16	500	415	521	553	468	543	468	670	45.7	43.6	51.1	46.8	39	36
Aug-16	504	489	489	564	457	521	532	606	42.6	45.7	40.4	45.7	34	30
Sep-16	483	427	406	563	510	510	510	469	43.8	46.9	40.6	37	36	59
Oct-16	538	522	478	578	544	567	500	656	48.9	46.7	52.2	45.6	42	34
Nov-16	607	640	628	523	628	616	570	791	65.1	48.8	57.0	53.5	40	33
Dec-16	571	598	585	512	561	598	561	841	50.0	45.1	51.2	58.5	37	30
Jan-17	498	440	452	548	571	476	631	798	52.4	50.0	56.0	52.4	31	30
Feb-17	500	468	447	543	511	532	447	766	46.8	55.3	57.4	54.3	37	32
Mar-17	598	580	705	580	523	602	636	750	52.3	56.8	59.1	50.0	36	31
Apr-17	546	467	576	543	478	663	576	565	46.7	46.7	58.7	46.7	38	31
May-17	511	420	500	580	523	534	466	500	46.6	45.5	53.4	48.9	40	32
Jun-17	539	512	476	549	524	634	439	488	48.8	50.0	50.0	53.7	39	33
Jul-17	541	538	511	526	487	603	474	528	564	46.2	50.0	66.7	38	31
Aug-17	551	605	581	535	558	477	512	860	51.2	54.7	47.7	65.1	34	29
Sep-17	522	511	533	544	544	478	467	789	46.7	47.8	48.9	62.2	40	34
Oct-17	519	479	489	564	532	532	553	691	57.4	52.1	51.1	53.2	45	32
Nov-17	520	433	522	489	544	611	478	422	46.7	46.7	50.4	46	34	77
Dec-17	547	616	547	535	616	477	744	547	52.3	50.0	50.0	37	34	64
Jan-18	559	524	610	512	549	598	439	866	46.3	58.5	54.9	57.3	37	30
Feb-18	524	452	393	571	548	655	452	798	54.8	50.0	53.6	59.5	49	33
Mar-18	624	610	659	561	610	683	585	768	57.3	56.1	58.5	57.3	46	30
Apr-18	572	564	654	500	577	564	551	744	55.1	53.8	65.1	52.6	50	36
May-18	566	585	646	488	512	588	744	537	54.9	48.8	54.9	51	44	91
Jun-18	568	613	563	563	525	575	525	800	55.0	52.5	55.0	52.5	46	38
Jul-18	475	400	450	463	475	588	513	668	38.8	41.3	52.5	40.0	42	37
Aug-18	449	395	419	465	465	500	477	640	38.4	41.9	51.2	45.3	45	39
Sep-18	525	488	513	525	525	575	513	588	47.5	42.5	47.5	41.3	46	42
Oct-18	479	384	547	465	465	535	442	500	34.9	47.7	40.7	43.0	46	40
Nov-18	455	420	477	455	443	477	466	330	39.8	40.9	42.0	30.7	44	36
Dec-18	429	425	417	429	393	500	393	574	35.7	35.7	36.9	25.0	40	33
Jan-19	463	388	475	425	450	575	425	438	40.0	40.0	42.5	32.5	49	33
Feb-19	411	330	216	455	477	580	466	682	45.5	40.9	45.5	42.0	44	37
Mar-19	519	500	571	440	464	619	464	679	51.2	47.6	52.4	48.8	44	35
Apr-19	511	500	489	500	500	568	443	523	45.5	50.0	46.6	44.3	40	34
May-19	443	409	432	489	455	483	443	364	50.0	36.4	39.8	38.6	42	34
Jun-19	428	413	424	457	435	413	457	315	41.3	43.5	42.4	35.9	40	33
Jul-19	404	370	380	457	413	402	446	598	39.1	41.3	43.5	46.7	42	34
Aug-19	387	402	391	402	380	359	402	511	37.0	38.0	42.4	44.6	37	39
Sep-19	425	448	344	417	406	510	396	500	41.7	40.6	35.4	36.5	38	32
Oct-19	428	370	424	435	391	522	337	413	38.0	37.0	44.6	41.3	43	34
Nov-19	498	500	478	511	413	587	435	348	46.7	37.0	54.3	48.9	43	35
Dec-19	513	576	489	522	446	533	391	489	48.9	54.3	50.0	52.2	41	35
Jan-20	449	465	384	430	465	500	430	535	52.3	41.9	44.2	64.0	40	36
Feb-20	471	573	415	439	488	439	463	378	53.7	45.1	45.1	41.5	43	35
Mar-20	493	457	522	500	511	478	478	391	43.5	42.4	42.4	21.7	42	34
Apr-20	420	307	375	409	545	466	432	261	46.6	26.1	33.0	15.9	44	31
May-20	427	278	322	322	322	322	322	322	322	322	322	322	322	32
Jun-20	457	455	443	420	466</									

	Trans PMI	New Orders	Production Employment	Supplier Deliveries	Customer's Inventories	Customer's Orders	Prices	Backlog of Orders	New Export Orders	Imports	Future Outlooks	Production Materials	MRO Supplies	Capital Expenditures
Jul-12	44.5	44.5	42.5	53.5	40.0	52.5	50.0	42.5	40.0	42.5	42.5	42.5	42.5	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
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
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
Nov-12	58.5	67.5	60.0	52.5	52.5	60.0	55.0	50.0	65.0	60.0	42.5	42.5	35	25
Dec-12	54.4	63.6	58.3	52.8	41.7	56.6	59.6	43.3	46.3	61.1	50.0	52.8	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
Feb-13	49.4	56.3	37.5	56.3	56.3	40.6	46.9	65.6	43.8	43.8	46.9	81.3	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
Apr-13	60.8	64.7	58.8	58.8	58.8	64.7	52.9	52.9	55.9	58.8	58.8	58.8	29	34
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
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
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
Aug-13	46.7	47.2	38.9	47.2	55.6	44.4	38.9	47.2	50.0	44.4	47.2	52.8	24	17
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
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
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
Dec-13	54.7	65.8	71.1	50.0	39.5	47.4	39.5	47.4	55.3	57.9	68.4	23	42	46
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
Feb-14	55.9	52.9	58.8	52.9	50.0	64.7	41.2	64.7	61.8	52.9	67.6	76.5	26	21
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
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
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	33
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
Jul-14	60.0	50.0	61.8	58.8	58.8	70.6	41.2	47.1	42.9	50.0	64.7	67.6	30	26
Aug-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
Sep-14	54.8	57.1	57.1	59.5	54.8	59.5	54.8	45.2	54.8	50.0	54.8	64.3	29	32
Oct-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
Nov-14	49.5	52.5	52.5	52.5	42.5	47.5	52.5	40.0	55.0	50.0	42.5	60.0	33	34
Dec-14	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
Jan-15	62.9	68.2	72.7	56.8	43.2	45.5	40.9	34.1	50.0	56.8	56.8	68.2	30	28
Feb-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
Mar-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
Apr-15	60.0	55.3	65.8	63.2	52.6	63.2	55.3	44.7	57.9	44.7	57.9	63.2	26	25
May-15	52.9	58.3	58.3	47.2	55.6	50.0	61.1	44.4	63.9	38.9	50.0	55.6	29	31
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
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	25	26
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
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
Oct-15	42.6	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
Dec-15	42.5	32.5	42.5	47.5	42.5	47.5	50.0	22.5	40.0	37.5	42.5	35.0	21	20
Jan-16	53.7	60.5	60.5	44.7	57.9	44.7	31.6	23.7	47.4	47.4	50.0	39.5	20	20
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
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
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
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
Jun-16	54.7	55.3	55.3	47.4	63.2	52.6	50.0	68.4	42.1	52.6	44.7	47.4	28	25
Jul-16	51.7	47.8	58.7	47.8	45.7	58.7	43.5	58.7	52.2	45.7	50.0	56.5	32	25
Aug-16	54.7	55.3	57.9	60.5	39.5	60.5	39.5	68.4	44.7	52.6	50.0	26	26	48
Sep-16	51.8	50.0	59.1	56.8	45.0	47.7	45.5	50.0	47.7	54.5	45.5	50.0	22	25
Oct-16	51.0	50.0	57.5	52.5	45.0	50.0	42.5	60.0	40.0	40.0	47.5	47.5	27	29
Nov-16	63.6	70.5	68.2	63.6	52.3	63.6	61.4	52.3	65.9	59.1	52.3	63.6	24	26
Dec-16	62.0	57.5	72.5	65.0	52.5	62.5	47.5	67.5	55.0	57.5	62.5	60.0	25	29
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
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
Mar-17	66.0	77.5	77.5	60.0	52.5	62.5	60.0	67.5	60.0	67.5	65.0	52.5	25	16
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
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
Jun-17	62.4	68.0	74.0	60.0	48.0	62.0	58.0	54.0	54.0	56.0	66.0	56.0	31	28
Jul-17	61.2	53.8	59.6	61.5	59.6	61.2	59.6	46.1	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
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
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
Nov-17	60.0	62.0	64.0	60.0	58.0	62.0	50.0	38.0	54.0	52.0	56.0	24	25	72
Dec-17	56.1	47.8	56.7	60.9	67.4	41.3	37.0	67.4	41.3	50.0	56.5	52.2	26	23
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
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
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
Apr-18	54.3	45.2	54.8	57.1	57.1	47.1	45.2	57.1	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	23
Jun-18	55.5	47.7	61.4	56.8	59.1	52.3	47.7	68.2	45.5	52.3	56.8	21	24	71
Jul-18	53.6	52.3	56.8	54.5	52.3	52.3	50.0	63.6	43.2	54.5	50.0	54.5	24	25
Aug-18	45.2	37.0	45.7	41.5	52.2	47.8	58.7	69.6	37.0	41.3	45.7	45.7	22	23
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
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
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
Dec-18	45.5	47.7	40.9	47.7	45.5	52.3	40.9	29.5	38.5	34.1	39	25	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
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
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
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
May-19	50.4	47.8	54.3	54.3	45.7	50.0	43.5	60.9	45.7	52.2	54.3	47.8	27	25
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
Jul-19	49.5	47.5	39.5	45.0	52.5	50.0	52.5	47.5	32.5	37.5	45.0	42.5	24	25
Aug-19	42.1	31.6	32.5	44.7	47.4	47.4	44.7	52.6	34.2	39.5	39.5	50.0	25	16
Sep-19	51.9	54.8	57.1	54.8	42.9	50.0	33.2	47.6	54.8	42.9	28	21	29	79
Oct-19	47.1	42.9	52.4	45.2	50.0	45.2	47.6	61.9	35.7	35.7	50.0	33.3	25	26
Nov-19	47.0	41.3	52.2	50.0	52.2	39.1	47.8	52.2	32.6	43.5	41.3	41.3	26	29
Dec-19	54.4	64.0	58.0	50.0	48.0	52.0	34.0	40.0	48.0					

	Mach PMI	New Orders	Production/Employee	Supplier Deliveries	Inventories	Customers Inventories	Prices	Backlog of Orders	ROW Export	Imports	Future Outlooks	Production Materials	MRO Supplies	Capital Expenditures	
Jul-12	425	328	328	531	484	453	375	400	381	428	250	30	20	30	
Aug-12	450	425	375	500	425	525	463	425	375	400	288	36	24	22	
Sep-12	470	450	488	475	500	438	475	575	413	388	463	300	35	24	25
Oct-12	508	421	447	539	579	553	500	553	408	474	434	316	31	19	25
Nov-12	463	447	447	461	434	487	382	447	395	355	382	329	30	23	27
Dec-12	527	628	595	534	500	419	500	527	500	500	554	473	31	21	24
Jan-13	576	635	716	527	486	514	392	554	459	581	581	622	33	22	27
Feb-13	516	527	459	568	527	500	419	649	514	500	500	743	37	23	29
Mar-13	605	649	716	635	568	459	351	595	541	622	649	595	37	24	33
Apr-13	537	500	671	500	553	461	487	355	579	474	447	447	34	20	27
May-13	536	513	641	500	513	513	474	359	526	474	449	474	33	21	32
Jun-13	539	530	591	576	439	561	500	379	485	439	545	485	34	20	48
Jul-13	446	365	459	486	459	459	405	432	405	405	446	378	34	21	44
Aug-13	527	464	524	571	500	524	440	512	476	459	476	368	31	22	26
Sep-13	502	476	537	537	549	415	402	537	451	415	463	439	33	23	27
Oct-13	519	514	568	527	500	486	324	554	527	446	405	473	31	19	35
Nov-13	561	618	592	592	553	447	434	592	513	579	421	513	28	19	27
Dec-13	527	561	598	524	500	451	427	463	488	549	415	500	31	19	30
Jan-14	569	600	656	500	500	500	522	556	544	567	522	644	35	20	34
Feb-14	541	523	489	580	534	580	477	534	602	489	489	648	34	21	34
Mar-14	593	636	614	591	568	557	398	477	614	568	614	568	37	23	39
Apr-14	580	600	588	600	575	538	425	450	525	500	513	650	33	23	38
May-14	592	656	573	594	573	563	469	584	552	542	635	35	21	33	
Jun-14	560	558	605	593	500	547	442	593	547	535	488	616	35	24	32
Jul-14	605	670	682	591	511	568	455	636	625	591	568	670	36	24	33
Aug-14	533	511	522	576	554	500	424	565	598	489	489	565	28	18	27
Sep-14	509	488	535	511	455	457	371	425	419	500	500	512	35	23	32
Oct-14	477	442	535	500	477	430	442	372	430	488	407	407	36	23	28
Nov-14	515	537	561	451	512	512	488	280	500	476	488	427	32	18	28
Dec-14	507	522	500	489	544	478	422	278	489	489	478	533	35	18	42
Jan-15	518	541	541	531	549	541	449	429	335	449	500	489	28	19	30
Feb-15	496	500	378	551	541	510	459	357	510	531	449	633	35	20	31
Mar-15	577	649	660	596	489	489	479	404	649	670	585	574	35	21	26
Apr-15	600	673	673	612	490	551	459	429	633	673	602	622	34	21	25
May-15	498	468	532	511	468	511	468	468	457	447	468	511	32	22	28
Jun-15	507	489	500	533	511	500	435	348	457	500	424	435	29	17	19
Jul-15	454	391	435	533	446	467	576	293	359	370	380	370	30	17	17
Aug-15	421	406	406	458	396	438	500	271	396	375	375	344	28	16	19
Sep-15	425	385	417	479	438	406	500	354	281	375	313	302	30	18	21
Oct-15	423	372	426	468	447	404	479	447	394	394	340	319	26	15	19
Nov-15	410	370	410	430	430	410	420	340	380	430	410	380	29	18	23
Dec-15	453	480	490	469	429	398	480	306	388	429	357	347	28	18	25
Jan-16	498	544	567	478	456	444	467	222	444	467	422	456	30	17	32
Feb-16	453	489	356	511	456	456	378	422	489	511	422	433	34	24	25
Mar-16	595	674	674	581	512	535	442	640	581	581	558	535	26	20	28
Apr-16	612	646	659	573	561	622	488	659	561	598	549	573	34	23	39
May-16	574	628	663	558	463	570	430	581	593	674	616	523	38	22	39
Jun-16	483	476	524	463	512	439	402	488	524	427	415	451	33	23	34
Jul-16	523	525	513	538	500	538	400	550	400	500	450	500	34	20	35
Aug-16	512	512	561	561	488	439	500	622	463	573	488	537	35	19	36
Sep-16	568	613	625	575	488	538	400	488	563	525	505	525	33	21	37
Oct-16	493	427	524	524	476	512	390	598	476	451	512	427	32	20	39
Nov-16	544	610	561	549	524	516	402	770	488	561	488	524	34	20	30
Dec-16	544	535	628	500	570	488	453	756	558	547	570	605	32	21	28
Jan-17	600	675	588	600	538	600	425	850	638	588	638	713	40	24	39
Feb-17	617	683	598	573	598	634	402	841	634	659	598	683	32	23	45
Mar-17	660	763	788	588	450	613	450	813	675	688	663	763	32	22	52
Apr-17	631	667	641	628	628	590	500	744	590	577	654	577	32	22	51
May-17	595	595	595	595	607	583	440	643	583	548	607	619	30	24	41
Jun-17	558	525	575	588	600	500	625	563	575	588	550	28	22	52	
Jul-17	598	600	600	611	567	413	567	567	500	567	478	40	26	63	
Aug-17	552	545	511	602	591	511	443	761	523	545	568	580	35	25	68
Sep-17	574	524	571	571	571	631	464	810	512	524	619	571	35	25	52
Oct-17	546	538	551	538	538	564	462	821	500	551	590	564	28	28	63
Nov-17	608	551	603	590	731	564	397	821	564	564	551	590	41	29	69
Dec-17	588	571	690	560	595	524	345	810	571	524	536	560	31	25	64
Jan-18	600	641	641	564	564	590	397	821	577	603	590	692	44	31	68
Feb-18	528	512	453	558	593	523	419	837	570	500	593	663	41	33	76
Mar-18	649	671	646	646	659	622	427	841	695	683	561	585	42	33	60
Apr-18	621	679	643	607	660	798	407	607	643	643	643	643	33	27	61
May-18	600	548	583	595	643	631	405	762	500	536	524	595	32	27	61
Jun-18	610	650	725	513	613	550	463	838	625	613	650	538	43	32	73
Jul-18	555	500	553	526	566	632	487	645	382	500	500	500	30	28	50
Aug-18	513	438	575	550	488	513	475	575	400	400	413	438	30	27	53
Sep-18	502	500	489	511	511	500	500	574	489	500	468	362	31	31	57
Oct-18	451	404	404	468	489	489	521	596	330	298	372	330	32	23	56
Nov-18	476	440	464	488	452	536	500	536	333	417	476	333	28	23	58
Dec-18	449	337	408	469	480	418	265	418	265	347	347	296	31	20	61
Jan-19	428	380	457	467	435	402	500	446	391	402	359	304	330	29	63
Feb-19	424	348	304	543	435	489	446	435	370	413	380	370	310	31	67
Mar-19	541	602	643	520	418	520	459	500	490	520	480	500	340	34	66
Apr-19	543	628	649	500	447	489	436	511	500	553	532	511	360	32	67
May-19	444	385	448	479	479	427	448	448	354	417	375	375	370	29	64
Jun-19	471	429	500	452	452	524	500	405	440	417	464	357	340	30	82
Jul-19	433	384	430	419	419	512	442	465	372	349	360	349	280	24	70
Aug-19	419	429	405	440	440	381	452	357	393	381	369	310	300	23	61
Sep-19	393	395	395	407	395	419	442	430	256	372	360	349	280	27	70
Oct-19	414	417	405	393	464	393	417	417	321	417	369	333	320	30	65
Nov-19	477	500	465	453	488	477	430	453	349	419	372	395	310	25	66
Dec-19	495	605	535	453	465	419	407	488	442	535	442	512	260	26	61
Jan-20	460	442	453	465	488	453	360	558	477	523	453	570	29	25	65
Feb-20	458	337	395	407	640	512	360	465	419	360	302	291	29	25	48
Mar-20	456	430	450	420	540	440	320	360	490	500	390	180	34	33	68
Apr-20	395	307	36												